



**FINANCE COMMITTEE
THURSDAY, DECEMBER 1, 2016 - 7:30 A.M.
CONFERENCE ROOM N-1 – FIFTH FLOOR
ROCK COUNTY COURTHOUSE-EAST**

AGENDA

1. Call to Order and Approval of Agenda
2. Citizen Participation, Communications and Announcements
3. Approval of Minutes – November 10, 2016 and November 15, 2016
4. Committee Review and Approval of Per Meeting Allowances
5. Transfers and Appropriations
6. Resolution
 - A. Authorizing Self-Insurance of Dental Coverage
7. Committee Approval
 - A. Authorizing the Contract for Shredding Services, 2017 through 2019, to Office Pro
 - B. Authorizing the Contract for Pre-Sort Mail Services, 2017 through 2019, to United Mailing (With the Option to Renew for 2020 and 2021)
8. Discussion and Possible Action on the Rock County Land Information Plan for 2016-2019
9. Adjournment

RESOLUTION NO. _____

AGENDA NO. _____

**RESOLUTION
ROCK COUNTY BOARD OF SUPERVISORS**

FINANCE COMMITTEE
INITIATED BY



JEFFREY S. KUGLITSCH
DRAFTED BY

FINANCE COMMITTEE
SUBMITTED BY

NOVEMBER 15, 2016
DATE DRAFTED

AUTHORIZING SELF-INSURANCE OF DENTAL COVERAGE

1 WHEREAS, Delta Dental Plan of Wisconsin currently administers the County Dental Insurance
2 Program; and

3
4 WHEREAS, Rock County offers dental plans with both "high" and "low" coverage options for all
5 of its employees, with the County contribution being 60% of the premium for the lowest cost, or "low"
6 plan, regardless of which coverage option is selected; and

7
8 WHEREAS, the County has determined it is in their best interest to provide the same coverage
9 under a self-insured dental plan; and

10
11 WHEREAS, this option will save the County the cost of service and processing fees; and

12
13 WHEREAS, the County will continue to provide the same level of dental coverage as currently
14 exist for both the "high" and "low" plans.

15
16 NOW, THEREFORE, BE IT RESOLVED, by the Rock County Board of Supervisors duly
17 assembled this 15th day of December, 2016 that:

- 18
- 19 1) They authorize the County's dental plan to be self-insured and subject to all appropriate state
- 20 laws and regulations effective January 1, 2017;
- 21
- 22 2) That the dental coverage provided will continue to be the same as is currently authorized;
- 23
- 24 3) That the monthly premiums will be as follows:
- 25 a) "Low" Plan - \$31.25 single and \$92.44 family
- 26 b) "High" Plan - \$55.58 single and \$153.71 family
- 27
- 28 4) The County contribution will continue to be 60% of the premium for the lowest cost of the
- 29 "low" plan, regardless of which coverage is selected.

Respectfully submitted:

FINANCE COMMITTEE

Mary Mawhinney, Chair

Sandra Kraft, Vice Chair

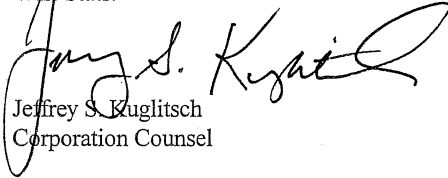
Mary Beaver

Brent Fox

J. Russell Podzilni

LEGAL NOTE:

The County Board is authorized to take this action pursuant to secs. 59.01, 59.51(1) and 59.52(11)(c), Wis. Stats.



Jeffrey S. Kuglitsch
Corporation Counsel

FISCAL NOTE:


Effective 1/1/17, the County will move to a self-insured dental plan. Dental premiums paid by the County and employees will be deposited to the Dental Insurance account and used to fund dental claims. Delta Dental will be the plan administrator.



Sherry Oja
Finance Director

ADMINISTRATIVE NOTE:

Recommended



Josh Smith
County Administrator



BID SUMMARY FORM

PROJECT NUMBER 2017-03
 PROJECT NAME SHREDDING SERVICES
 BID DUE DATE OCTOBER 5, 2016 – 12:00 NOON (LOCAL TIME)
 DEPARTMENT FINANCIAL SERVICES FOR ALL DEPARTMENTS

	OFFICE PRO JANESVILLE WI		IRON MOUNTAIN ADDISON IL	
	OFF-SITE	ON-SITE	OFF-SITE	ON-SITE
2017 COST PER POUND	.047	.087	.08	.12
2018 COST PER POUND	.047	.087	.08	.12
2019 COST PER POUND	.047	.087	.08	.12

Invitation to Bid was advertised in the Janesville Gazette and on the Internet. Four additional vendors were solicited that did not respond.

PREPARED BY: JODI MILLIS, PURCHASING MANAGER

GOVERNING COMMITTEE APPROVAL:

CHAIR

VOTE

DATE

EXECUTIVE SUMMARY

Bids were solicited from qualified individuals, firms, partnerships and corporations having specific experience in paper shredding for various Rock County departments as needed. The objective of this Invitation to Bid is to enter into a one-year contract with the option to renew for two additional one-year periods, not to exceed a total of three years. The contract period will begin on January 1, 2017. Bids will remain in effect for the 2017 through 2019 calendar years.

Rock County generates approximately 85,000 – 95,000 pounds of paper to be shredded yearly.

Bids were solicited from six companies involved in this type of work with only two vendors responding. The Bids were reviewed by the Purchasing Manager for compliance with the specifications and recommend Office Pro as the successful vendor.

**ROCK COUNTY, WISCONSIN
FINANCE DIRECTOR**

PURCHASING DIVISION



PROJECT NUMBER #2017-04
PROJECT NAME PRE-SORT MAIL SERVICES
PROPOSAL DUE DATE OCTOBER 27, 2016 – 12:00 NOON
DEPARTMENT FINANCIAL SERVICES-PURCHASING DIVISION

1 st CLASS LETTERS & CARDS PRICE PER EACH	UNITED MAILING MADISON WI	PACKAGE PRO JANESVILLE WI
2 OZ. OR LESS LETTER	.4265	.4295
3 OZ. LETTER	.6765	.6795
1 OZ. FLATS	.758	.868
2 OZ. FLATS	.968	1.078
3 OZ. FLATS	1.178	1.288
4 OZ. FLATS	1.388	1.498
5 OZ. FLATS	1.598	1.708
6 OZ. FLATS	1.808	1.918
7 OZ. FLATS	2.018	2.128
8 OZ. FLATS	2.228	2.338
9 OZ. FLATS	2.438	2.548
10 OZ. FLATS	2.648	2.758
11 OZ. FLATS	2.858	2.968
12 OZ. FLATS	3.068	3.178
13 OZ. FLATS	3.278	3.388

Request for Proposals was advertised in the Janesville Gazette and on the Internet.

PREPARED BY: JODI MILLIS
Purchasing Manager

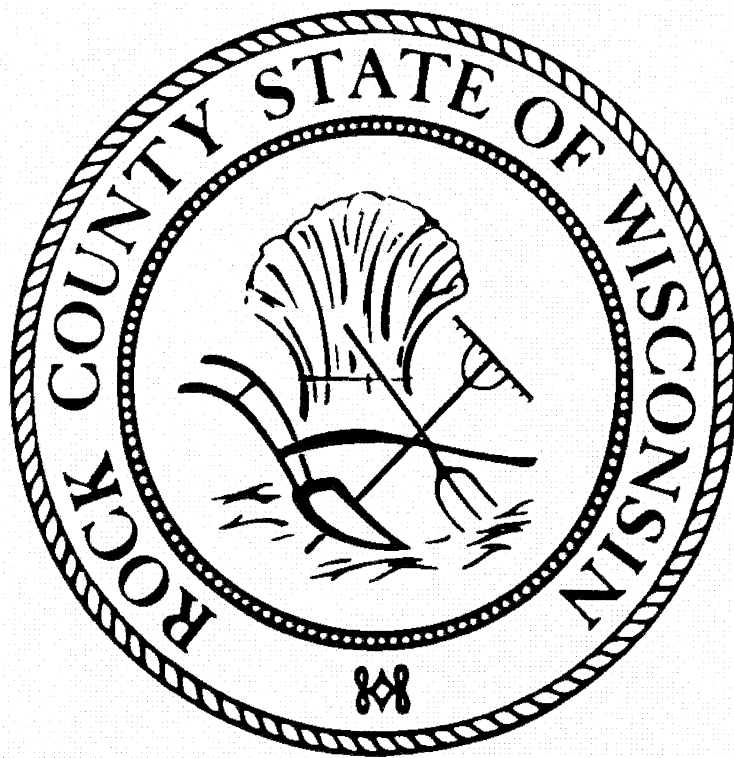
DEPARTMENT HEAD RECOMMENDATION: United Mailing

[Signature] _____ 11/1/16
Signature Date

GOVERNING COMMITTEE APPROVAL:

Chair Vote Date

ROCK COUNTY LAND INFORMATION PLAN



2016-2019

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EXECUTIVE SUMMARY

About this Document. The purpose of this plan is to update and guide the process of land records modernization in Rock County, Wisconsin as required by WI Stat 59.72 over the next five years. To date, Rock County has made substantial progress in data conversion and systems development. The focus of this plan is the continued development of this process and cooperation among custodial departments in establishing a fully functional Geographic Information System. This plan will be integrated into Rock County's Comprehensive Plan 2035 as Chapter 15. The plan will be implemented by the Rock County Land Information Office, and is submitted for review and approval by the Wisconsin Department of Administration.

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 2015, Rock County received \$1,000 in WLIP grants and retained an approximate total of \$194,968 in local register of deeds document recording fees for land information. Beginning in 2016, WLIP Strategic Initiative grants are projected to increase the county land information budget by \$50k per year. In 2016 a portion of the 2016 Strategic Initiative grant funds will be passed through to City of Beloit and City of Janesville for parcel map conversion to meet the requirements of the Statewide parcel map initiative.

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 Rock County. Land Information is essential to many county services as they rely on accurate and current spatial data and land records. A countywide system supports economic development, emergency planning and response, support to unincorporated and incorporated municipalities, and coordination with state and federal agencies and many other citizen services. The following departments are essential to the integration and efficient access to Land Records in Rock County: Communications Center – 911; Land Conservation; Information Technology; Planning, Economic & Community Development; Public Health; Public Works; Real Property Lister; Register of Deeds; Surveyor; and Treasurer. The Rock County Administrator's Office is also essential to supporting the Land Records System.

Mission of the Land Information Office. In the next three years, Rock County's Land Information Office will continue with the development, implementation and maintenance of a fully functional multi-purpose, object oriented geographic information system (GIS) maintained by multiple county departments, municipalities and organizations that meets the needs of public and private users in an efficient and cost effective manner.

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

1. Completing the PLSS Remoumentation of the County Boundry with coordinates
2. Completing the PLSS Remonumentation of the County with coordinates
3. Convert existing Condominium Mapping to a format compatible with Statewide Parcel Map
4. Converting existing GIS website from Flex to Java API
5. Land Use Inventory Update
6. Receiving more timely updates of owner information to the County from the Cities of Beloit and Janesville for purposes of tax collection.

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

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
- Meet a June 30, 2017 deadline to post certain types of parcel information online

Any grants received and fees retained for land information through the WLIP must be spent consistent with the county land information plan. The *Uniform Instructions for Preparing County Land Information Plans* are designed as a template, but leave flexibility as to how counties may choose to address the minimum plan components. The county is able to include as much detail as necessary to make the planning process useful at the local level.

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 proposed that funding be made available to counties in the form of Strategic Initiative grants to be prioritized for the purposes of parcel dataset improvement. For Strategic Initiative grant eligibility, counties will be 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—are determined through a participatory planning process and will be detailed in future WLIP grant applications.

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

The first post-Act 20 required update deadline for draft county land information plans is December 29, 2015. Final plans are due March 31, 2016.

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 16.967(1)(b)

County Land Information Plan Timeline



County Land Information System History and Context

In 1989, Rock County Board of Supervisors created a Land Information Office charged with the responsibility of modernizing land records and associated information within the county.

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. A record documenting county land information council approval should be included in the final submission of the plan to DOA. County board approval of plans is encouraged but not required.

A county may amend a plan with updates or revisions as appropriate. If amended, a digital copy of the amended plan and record of land information council approval should be sent to the WLIP.

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

County Land Information Council and Plan Workgroup

Name	Title	Affiliation	Email	Phone
*Randy Leyes	Register of Deeds	Rock County Register of Deeds Office	leyes@co.rock.wi.us	608-757-5641
*Vicki Brown	Treasurer	Rock County Treasurers Office	brown@co.rock.wi.us	608-757-5675
*Michelle Schultz	Real Property Lister & Land Information Office Representative	Rock County Real Property Description	schultz@co.rock.wi.us	608-757-5610
*Sandra Kraft	County Board Member	Rock County Board of Supervisors Dist. 3	kraft@co.rock.wi.us	608-751-6249
*Mickey Crittenden	"At Large" Land Council Member IT Director	Rock County Information Technology	mickey@co.rock.wi.us	608-757-5040
*Deb DeWitt	Realtor	Century 21	debde Witt@c21affiliated.com	608-531-2506
*Kris Pehl	Geo-Application Specialist	Rock County 911 Communications Center	kris@co.rock.wi.us	608-757-5181
*Jason Houle/	County Surveyor	Rock County Planning & Development		608-757-5658
*Jennifer Borlick	"At Large" Land Council Member GIS Manager	Rock County Planning & Development	borlick@co.rock.wi.us	608-757-5592
Norm Tadt	Senior Conservationist Specialist	Rock County Land Conservation	ntadt@co.rock.wi.us	608-754-6617
Kirby Benz	GIS Specialist	City of Janesville	kbenz@ci.janesville.wi.us	
Keith Houston	GIS Specialist	City of Beloit	houstonk@beloitwi.gov	

* Land Information Council Members designated by asterisk

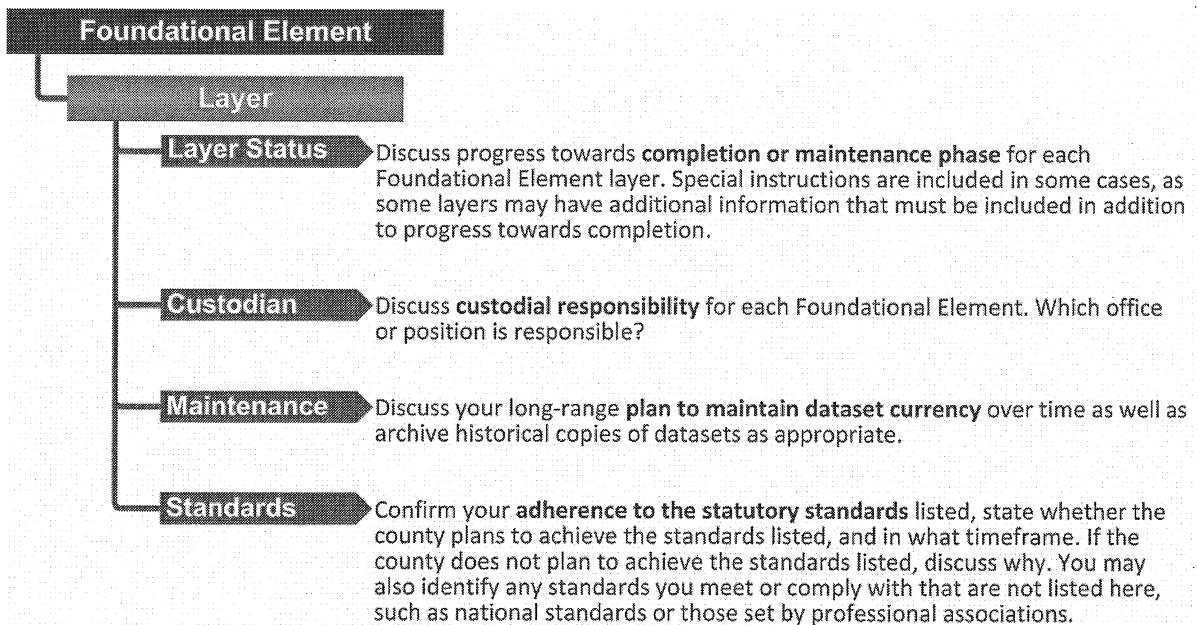
2 FOUNDATIONAL ELEMENTS

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 by users 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, the *Uniform Instructions* place 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

- For the PLSS Foundational Element, the table below documents Layer Status

PLSS Layer Status	
Name	Status/Comments
Total number of PLSS corners (section, ¼, meander) set in original government survey	2550 +/-
Number and percent of PLSS corners that have been remonumented	2400 +/-
Number and percent of remonumented PLSS corners with survey grade coordinates (see below for definition)	2177
Number and percentage of survey grade PLSS corners integrated into county digital parcel layer	2177
Number and percentage of non-survey grade PLSS corners integrated into county digital parcel layer	148
Percentage of PLSS corners that have digital tie sheets (whether or not they have corresponding coordinate values)	94%
Digital tie sheets available online? Yes or No	Yes
Approximate number of PLSS corners believed to physically exist based on filed tie-sheets or surveys, but do not have coordinate values	75 +/-
Approximate number of PLSS corners believed to be lost or obliterated	150, (primarily meander corners)
Total number of PLSS corners along each bordering county	Dane 36, Green 50, Jefferson 20, Walworth 41, Boone, IL 15, Winnebago, IL 43
Number and percent of PLSS corners remonumented along each county boundary	West 51 corners, 42 remonumented North 61 corners, 56 remonumented East 51 corners, 41 remonumented South 61 corners, 49 remonumented
Number and percent of remonumented PLSS corners along each county boundary with survey grade coordinates	40-50%
Does your county collaborate with or plan to collaborate with neighboring counties for PLSS updates on shared county borders?	Yes

Custodian

- Maintain, index, and file the "U.S. Land Survey Monument Record", PLSS information, and oversee the perpetuation of the PLSS including PLSS monument maps and section summary sheets. Assure that existing PDF files for PLSS corners are appended as new ties are received.
- Oversee the PLSS in Rock County's Geographic Information System including, but not limited to; determining the accuracy of PLSS data, (defined by DOA WLIP Instructions), determining those PLSS corners in need of remonumentation and scheduling, performing or contracting the work for the same. (Wis. Statutes Ch. 59.45 & 59.74 A-E 7.08)
- Maintain, index, and file survey records of railroad right of way maps, road right of way maps, certified survey maps, plat of surveys, subdivision plats, field notes, condominium maps, assessor's maps, and cemetery maps. Supervise the Rock County Geographic

Information System as it pertains to this function. (Wis. Statutes Ch. 59.45, 59.74, 59.74, 157.07)

- Oversee the scanning of filed survey documents and coordinate with the IT department to assure on-line availability.
- Perform on-going remonumentation of PLSS corners in Rock County.

Maintenance

- All PLSS corners will be maintained per statute.

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 requirements.
- Wisconsin County Surveyor's Association **survey grade** standard:
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.
- For non-survey grade standard coordinates, Rock County has internally adopted the following definition:
Coordinates in a system recognized by commonly used GIS software, (1) obtained by a Global Navigation Satellite System, (GNSS), or Global Positioning System, (GPS), device capable of repeatable 1-5 meter precisions, (manufacturers specifications), or (2) use information including, but not limited to, public records, traveled way locations, fence locations, occupation limits or aerial photography as control to graphically depict Surveys, Deeds, Certified Survey Maps, Subdivision Plats, Right-of-Way Plats, Transportation Project Plats or other public records, for use in a Geographic Information System, (GIS).

PLSS City of Beloit

Layer Status

- The City of Beloit obtains PLSS information from Rock County.

Custodian

- Rock County Surveyor

Maintenance

- As needed

Standards and Documentation

- 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.
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repeatable 1-5 meter precisions, (manufacturers specifications), or (2) use information including, but not limited to, public records, traveled way locations, fence locations, occupation limits or aerial photography as control to graphically depict Surveys, Deeds, Certified Survey Maps, Subdivision Plats, Right-of-Way Plats, Transportation Project Plats or other public records, for use in a Geographic Information System, (GIS).

PLSS City of Janesville

Layer Status

- The City of Janesville obtains PLSS information from Rock County.

Custodian

- Rock County Surveyor

Maintenance

- As needed

Standards and Documentation

- 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 requirements.
- Wisconsin County Surveyor's Association **survey grade** standard:
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Other Geodetic Control and Control Networks

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

Layer Status

- The County does not maintain Control networks on the County GIS

Custodian

1. Geographic Positioning Reference Frameworks

a) Geodetic Control and Control Networks

Rock County uses the Wisconsin Coordinate Reference System, (WISCRS – Rock Datum), for all current work. Wisconsin is fortunate to have Wisconsin Height Modernization Monuments, (HMP), monuments installed and maintained by the Wisconsin Department of Transportation, (WDOT), geodetic unit; HMP monuments allow for an easy connection to the NSRS. The recent SG definition recommends that coordinates obtained by way of remonumentation projects funded with WLIP dollars be in a coordinate system permitted by WI. Statute 236.18(2).

b) Public Land Survey System

Most Wisconsin lands are subdivided according to the Public Land Survey System. The geodetic reference framework for the Rock County GIS is the Public Land Survey System, (PLSS); the corners of the PLSS must be connected to the National Spatial Reference System, (NSRS), and the WDOT HMP monuments allow for an easy connection. Utilizing GNSS equipment and the WISCORS network, the Surveyors office efficiently and accurately provides coordinate data for PLSS corners..

The County Surveyor is the statutory custodian of PLSS monument records. Records are entered into the Surveyor database and made available on-line, (searchable and PDF files).

- The PLSS corners and lines are in the GIS at two different positional accuracy levels as defined by in the recently released “2015 uniform Instructions for Preparing County Land Information Plans – Amended”. Rock County has corners defined as Survey Grade, (SG), and Non-Survey Grade that support accurate mapping and exist in an ESRI geodatabase. The County Surveyor's coordinates are available on the county's website and the State Cartographers Office, (SCO), ‘PLSS Finder’ application.

Maintenance

- The County Surveyor will continue maintaining and perpetuating the PLSS monuments and determine coordinates for PLSS corners. The goal is to establish Survey Grade County coordinates for all PLSS monuments as part of a progressive remonumentation effort. Rock County acknowledges coordinates exist in two NAD83 adjustments, (2007 & 2011), however, does not believe these difference impact the intended purpose of the GIS.

Standards

- Rock County adheres to standards that are statutorily defined in Wisconsin; also, to the “Survey Grade” definition as developed by the Wisconsin County Surveyors Association.

Parcel Mapping

Parcel Geometries

Layer Status

- Rock County is currently maintaining its parcel layer.
- 100% of the County maintained parcels are available in ESRI format. Rock County does not maintain parcels within the Cities of Beloit and Janesville.
- Rock County uses the Wisconsin Coordinate Reference System – Rock County and the Transverse Mercator projection.
- Parcel Polygons contain the Tax ID# which allows for a database join to the Assessment Database.
- Rock County is evaluating both the Esri Parcel Fabric Data Model, and Esri's Local Government Information Model to determine if their use would be beneficial to County operations.

Custodian

- Real Property Description

Maintenance

- Daily, inconjunction with the annual Assessment cycle.

Standards and Documentation

- Data Dictionary is available

Parcel Geometries – City of Beloit

Layer Status

- City of Beloit is currently maintaining its parcel layer.

Custodian

- GIS Specialist, City of Beloit Engineering Division.

Maintenance

- Daily, inconjunction with the annual Assessment cycle.

Standards and Documentation

- City of Beloit will adhere to all statutory standards in the maintenance of parcel layers.

Parcel Geometries – City of Janesville

Layer Status

- City of Janesville is currently maintaining its parcel layer.
- 100% of the City maintained parcels are available in ESRI format.
- City of Janesville uses the Wisconsin Coordinate Reference System – Rock County and the Transverse Mercator projection.
- Parcel Polygons contain the Tax ID# which allows for a database join to the Assessment Database.

Custodian

- Planning Services, City of Janesville

Maintenance

- Daily, inconjunction with the annual Assessment cycle.

Standards and Documentation

1. Parcel geometries created from a CAD file and scrubbed though QC and topology tools. New parcels are created using COGO techniques and tied to Rock County PLSS when appropriate.

Assessment/Tax Roll Data

Layer Status

- Rock County uses an in-house developed software to prepare assessment rolls, tax roll data and tax bills.

Custodian

- Real Property Description

Maintenance

- Daily, inconjunction with the annual Assessment cycle.

Standards

- s. 73.03(2a), Wis. Stats. Department of Revenue (DOR) – Powers and duties defined. Department of Revenue Property Assessment Manual – Chapter 5 and DOR format standard requested by DOR for assessment/tax roll data – Rock County is currently submitting test files to the Department of Revenue.
- s. 59.72(2)(a), Wis. Stats. Presence of all nine “Act 20” attributes
- s. 59.72(2)(a), Wis. Stats. Crosswalk of attributes

Act 20 Attributes Required by s. 59.72(2)(a)	Field Name(s) in County Land Info System	Notes on Data or Exceptions to DOR Standard
Assessed value of land	TOTAL_LAND	
Assessed value of improvements	TOTAL_IMP	
Total assessed value	TOTAL_VALUE	
Class of property, as specified in s. 70.32 (2)(a)	CODE, CODE1, CODE2, CODE3, CODE4, CODE5, CODE6	
Estimated fair market value	EFMV	
Total property tax	TOT_TAX	
Any zoning information maintained by the county	N/A Rock Cty does not have general zoning authority	Zoning information is not required in DOR schema
Any property address information maintained by the county	LP_ADDRESS, LP_ADDRESS2	
Any acreage information maintained by the county	CTY_TOTAL_ACRES	

Assessment/Tax Roll Data – City of Janesville

Layer Status

- City of Janesville uses MSGovern software to prepare assessment rolls, tax roll data and tax bills.

Custodian

- Assessor Division, City of Janesville

Maintenance

- Daily, inconjunction with the annual Assessment cycle.

Standards

- s. 73.03(2a), Wis. Stats. Department of Revenue (DOR) – Powers and duties defined. Department of Revenue Property Assessment Manual – Chapter 5 and DOR format standard requested by DOR for assessment/tax roll data – City of Janesville is currently submitting test files to the Department of Revenue.
- s. 59.72(2)(a), Wis. Stats. Presence of all nine “Act 20” attributes
- s. 59.72(2)(a), Wis. Stats. Crosswalk of attributes

Act 20 Attributes Required by s. 59.72(2)(a)	Field Name(s) in County Land Info System	Notes on Data or Exceptions to DOR Standard
Assessed value of land	TOTAL_LAND	
Assessed value of improvements	TOTAL_IMP	
Total assessed value	TOTAL_VALUE	
Class of property, as specified in s. 70.32 (2)(a)	CODE, CODE1, CODE2, CODE3, CODE4, CODE5, CODE6	
Estimated fair market value	EFMV	
Total property tax	TOT_TAX	
Any zoning information maintained by the county	N/A Rock Cty does not have general zoning authority	Zoning information is not required in DOR schema
Any property address information maintained by the county	LP_ADDRESS, LP_ADDRESS2	
Any acreage information maintained by the county	CTY_TOTAL_ACRES	

Non-Assessment/Tax Information Tied to Parcels

Storm Water Management Facilities Database

Layer Status

- Rock County is currently developing and maintaining this layer
- Data is available via a combination of an ESRI GIS file and an Excel Spreadsheet and contains the Tax ID# which allows for a database join to other Land Information Records.
- Storm Water Management Facilities are constructed, as required by County Ordinance and related permit, as part of new development projects, located either within recorded easement on private land or on outlots platted during a land division process.
- A maintenance plan is required to ensure that facilities continue to function as plan.
- Spreadsheet/database is used to manage and track ongoing maintenance activities

Custodian

- Rock County Land Conservation Department

Maintenance

- As needed based on additional permits and ongoing on-site maintenance activities

Standards

- Chapter 4, Part 8, Rock County Code of Ordinances. Storm Water Management. Identifies standards and procedures for ensuring the storm water management facilities are properly constructed and maintained in order to ensure County Ordinance compliance.
- S. 59.693 Wis. Stats. Enabling Legislation authorizing Counties to adopt Construction Site Erosion Control and Storm Water Management Ordinances

ROD Real Estate Document Indexing and Imaging

Status

- **Grantor/Grantee Index.** Grantor Index is complete from 1849 to present. Grantee Index is complete from 1876 to present.
- **Tract Index.** Tract Index is complete for all recorded documents. The index is PLSS-based. All real estate documents are in the tract index including, but not limited to, deeds, mortgages, land contracts, and CSMs. The first recordings were in 1839.
- **Imaging.** All real estate documents have been scanned and are available for viewing by users, with the exception of old mortgages. The scanned documents are indexed by document number, and volume and page. Also, all Tract and Abstract Books have been scanned. The scanning project includes approximately 592,000 documents consisting of 968,500 images.

Custodian

- Rock County Register of Deeds

Maintenance

- As changes occur, daily

Standards

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

LiDAR and Other Elevation Data

2010 LiDAR

Layer Status

- LiDAR was flown in 3 flights during 2010-2012. LiDAR point cloud is available over the entirety of Rock County.
- *Positional_Accuracy:*
 - *Horizontal_Positional_Accuracy_Report:* The dataset was developed to generate contours meeting the National Map Accuracy Standards for the scale 1:600. Test points will fall on the correct side of the contours developed from this DTM for ninety percent of all points.
 - *Vertical_Positional_Accuracy_Report:* A comparison of ground survey versus lidar model values indicates a vertical root mean square error (RMSEz) of 0.451 feet. This is within the FEMA specified vertical accuracy tolerance of 0.6. This RMSEz equates to a tested 0.8839 feet vertical accuracy at 95% confidence level.

Custodian

- Rock County Planning, Economic and Community Development

Maintenance

- No maintenance of this data, save updating point cloud classification are planned at this time.

Standards

- LiDAR Data meet National Map Accuracy Standards for 1:600 scale maps.

2010 LiDAR – City of Beloit

Layer Status

- LiDAR was flown in 3 flights during 2010-2012. LiDAR point cloud is available over the entirety of the City of Beloit
- *Positional_Accuracy:*
 - *Horizontal_Positional_Accuracy_Report:* The dataset was developed to generate contours meeting the National Map Accuracy Standards for the scale 1:600. Test points will fall on the correct side of the contours developed from this DTM for ninety percent of all points.
 - *Vertical_Positional_Accuracy_Report:* A comparison of ground survey versus lidar model values indicates a vertical root mean square error (RMSEz) of 0.451 feet. This is within the FEMA specified vertical accuracy tolerance of 0.6. This RMSEz equates to a tested 0.8839 feet vertical accuracy at 95% confidence level.

Custodian

- GIS Specialist, City of Beloit Engineering Division

Maintenance

- No maintenance of this data.

Standards

- LiDAR Data meet National Map Accuracy Standards for 1:600 scale maps.

2010 LiDAR – City of Janesville

Layer Status

- LiDAR was flown in 3 flights during 2010-2012. LiDAR point cloud is available over the entirety of the City of Janesville
- *Positional_Accuracy:*
 - *Horizontal_Positional_Accuracy_Report:* The dataset was developed to generate contours meeting the National Map Accuracy Standards for the scale 1:600. Test points will fall on the correct side of the contours developed from this DTM for ninety percent of all points.
 - *Vertical_Positional_Accuracy_Report:* A comparison of ground survey versus LIDAR model values indicates a vertical root mean square error (RMSEz) of 0.451 feet. This is within the FEMA specified vertical accuracy tolerance of 0.6. This RMSEz equates to a tested 0.8839 feet vertical accuracy at 95% confidence level.

Custodian

- City of Beloit Engineering Division

Maintenance

- No maintenance of this data.

Standards

- LiDAR Data meet National Map Accuracy Standards for 1:600 scale maps.

2010 LiDAR Derived DEM

Layer Status

- The Bare Earth DEM was developed from LAS points and breaklines collected from a LiDAR flight flown 2010-2012. The DEM is a raster data set in ESRI GRID format with an X, Y, Z value located at the center of each 10 ft. by 10 ft. cell.

Custodian

- Rock County, Planning, Economic and Community Development Agency

Maintenance

- No maintenance is scheduled at this time.

Standards

- The DEM was generated from a DTM meeting ASPRS class II Standards.

2010 LiDAR Derived 2' Contours

Layer Status: Complete

- The Bare Earth DTM was developed from LAS points and breaklines collected from a LiDAR flight flown in the Spring of 2010-2012. The DTM is used to develop a TIN (Triangulated Irregular Network)

Custodian

- Rock County Planning, Economic and Community Development Agency

Maintenance

- None planned at this time.

Standards

- Two-foot contours meeting National Map Accuracy Standards were generated from the TIN.

2010 LiDAR Derived 1' Contours

Layer Status: Complete

- Derived from LAS point cloud in LP360 software using Triangulated Irregular Network.

Custodian

- Rock County Planning, Economic and Community Development Agency

Maintenance

- None planned at this time.

Standards

- No accuracy/standards report available at this time.

2005 2' Contours – City of Janesville

Layer Status: Complete

- Derived stereoscopically using 2005 orthophotos.

Custodian

- City of Janesville

Maintenance

- None planned at this time.

Standards

- Meets National Map accuracy standards for 2' contours (one half the contour interval accuracy at 90% confidence level in well-defined areas).

2005 DEM – City of Janesville

Layer Status: Complete

- Derived from 2005 contours.

Custodian

- City of Janesville

Maintenance

- None planned at this time.

Standards

- Meets National Map accuracy standards.

2000 2' Contours

Layer Status: Complete

- Derived stereoscopically using 2000 orthophotos.

Custodian

- Rock County Planning, Economic and Community Development Agency

Maintenance

- None planned at this time.

Standards

- Meets ASPRS Class II accuracy standards.

2000 DEM

Layer Status: Complete

- Derived from 2000 contours.

Custodian

- Rock County Planning, Economic and Community Development Agency.

Maintenance

- None planned at this time.

Standards

- Meets ASPRS Class II accuracy standards.

Orthoimagery

2015, 6" Resolution, True Color Orthoimagery

Layer Status

- Re-flight scheduled.
- Rock County did not participate in WROC 2015.
- The next flight is planned for 2020

Custodian

- Rock County Planning, Economic and Community Development

Maintenance

- No maintenance Planned at this time.

Standards

- Following the National Standard for Spatial Data Accuracy, 6" imagery shall meet +/- 2' Horizontal Accuracy at a 95% Confidence Level.
- To maximize surface feature detail, the flight shall take place in the spring during leaf-off conditions. The imagery shall be acquired between the hours of 10:00 am and 2:00 p.m., when the sun is at a 35° or greater angle, and only when the ground is not obscured by snow, haze, fog, severe sun glare, or clouds or their shadows. The orthophotographs shall be acquired with an average forwardlap of 60% and average sidelap of 30%.

2010, 12" Resolution, True Color Orthoimagery

Layer Status

- Complete.

Custodian

- Rock County Planning, Economic and Community Development

Maintenance

- No maintenance Planned at this time.

Standards

- Meets ASPRS Class II Accuracy Standards
- To maximize surface feature detail, the flight took place in the spring during leaf-off conditions. The imagery was acquired between the hours of 9:00 am and 3:00 p.m., when the sun was at a 35° or greater angle, and only when the ground was not obscured by snow, haze, fog, severe sun glare, or clouds or their shadows.

2010, 6" Resolution, True Color Orthoimagery Insets

Layer Status

- Complete.
- Covers the cities of Janesville and Beloit, and the Village of Clinton.

Custodian

- Rock County Planning, Economic and Community Development and City of Janesville, City of Beloit and Village of Clinton

Maintenance

- No maintenance Planned at this time.

Standards

- Meets ASPRS Class II Accuracy Standards
- To maximize surface feature detail, the flight took place in the spring during leaf-off conditions. The imagery was acquired between the hours of 9:00 am and 3:00 p.m., when the sun was at a 30° or greater angle, and only when the ground was not obscured by snow, haze, fog, severe sun glare, or clouds or their shadows.

2008, 12" Resolution, True Color Orthoimagery

Layer Status

- Complete.
- Coverage for the Rock River at peak flood height during flood of 2008.

Custodian

- Rock County Planning, Economic and Community Development, City of Janesville, City of Beloit

Maintenance

- No maintenance Planned at this time.

Standards

- Meets ASPRS Class II Accuracy Standards.

2005, 6" Resolution, Black and White Orthoimagery

Layer Status

- Complete.

Custodian

- City of Janesville

Maintenance

- No maintenance Planned at this time.

Standards

- Meets National Map Accuracy Standards for 100 scale Ortho's (3.33 feet horizontal accuracy at 95% confidence level.)

2000, 12" Resolution, Black and White Orthoimagery

Layer Status

- Complete.

Custodian

- Rock County Planning, Economic and Community Development, City of Janesville, City of Beloit

Maintenance

- No maintenance Planned at this time.

Standards

- Meets ASPRS Class II Accuracy Standards
- To maximize surface feature detail, the flight took place in the spring during leaf-off conditions. The imagery was acquired between the hours of 9:00 am and 3:00 p.m., when the sun was at a 30° or greater angle, and only when the ground was not obscured by snow, haze, fog, severe sun glare, or clouds or their shadows.

1996, 12" Resolution, Black and White Orthoimagery

Layer Status

- Complete.
- Coverage for the towns of Harmony, Janesville, La Prairie, Rock, and Turtle; and the City of Janesville.

Custodian

- Rock County Planning, Economic and Community Development

Maintenance

- No maintenance Planned at this time.

Standards

- Unknown Accuracy.
- Unknown Contractor Standards.

1993, 1 meter resolution, Black and White Orthoimagery

Layer Status

- Complete.

Custodian

- Rock County Planning, Economic and Community Development

Maintenance

- No maintenance Planned at this time.

Standards

- Unknown Accuracy.
- Unknown Contractor Standards.

1990, 1" = 400' Scale, Black and White Scanned Orthoimagery

Layer Status

- Complete.

Custodian

- Rock County Planning, Economic and Community Development

Maintenance

- No maintenance Planned at this time.

Standards

- Unknown Accuracy.
- Unknown Contractor Standards.

1990, 1" = 200' Scale, Black and White Scanned Orthoimagery

Layer Status

- Complete.
- Coverage for the towns of Beloit, Fulton, Harmony, Janesville, La Prairie, Milton, Rock, and Turtle; and the cities of Janesville and Beloit.

Custodian

- Rock County Planning, Economic and Community Development

Maintenance

- No maintenance Planned at this time.

Standards

- Unknown Accuracy.
- Unknown Contractor Standards.

1978, 1"=400' Scale, Black and White Scanned Orthoimagery

Layer Status

- Complete.

Custodian

- Rock County Planning, Economic and Community Development

Maintenance

- No maintenance Planned at this time.

Standards

- Unknown Accuracy.
- Unknown Contractor Standards.

1969, 1"=1000' Scale, Black and White Scanned Orthoimagery

Layer Status

- Complete.

Custodian

- Rock County Planning, Economic and Community Development

Maintenance

- No maintenance Planned at this time.

Standards

- Unknown Accuracy.
- Unknown Contractor Standards.

1966, Unknown Scale, Black and White Scanned Orthoimagery

Layer Status

- Complete.

Custodian

- Rock County Planning, Economic and Community Development

Maintenance

- No maintenance Planned at this time.

Standards

- Unknown Accuracy.
- Unknown Contractor Standards.

1950, Unknown Scale, Black and White Scanned Orthoimagery

Layer Status

- Complete.

Custodian

- Rock County Planning, Economic and Community Development

Maintenance

- No maintenance Planned at this time.

Standards

- Unknown Accuracy.
- Unknown Contractor Standards.

Address Points and Street Centerlines

Address Point Data

Layer Status

- Complete

Custodian

- Rock County Planning, Economic and Community Development

Maintenance

- As needed

Standards

- Historic and current Address points created as addresses were assigned in non-incorporated areas of the county. In accordance with Chapter 4.6 of the Rock County Code of Ordinances.

Driveway Locations

Layer Status

- Complete

Custodian

- Rock County Planning, Economic and Community Development

Maintenance

- As needed

Standards

- Historic, current and future address points (in subdivisions) were assigned or are assigned in non-incorporated areas of the county. In accordance with Chapter 4.6 of the Rock County Code of Ordinances.

Structure Address Points

Layer Status

- Complete

Custodian

- Rock County 911 Communications Center

Maintenance

- As needed

Standards

- In accordance with Chapter 4.6 of the Rock County Code of Ordinances. Located on the principle structure, for emergency response purposes.

Structure Address Points – City of Beloit

Layer Status

- Complete

Custodian

- Rock County 911 Communications Center

Maintenance

- As needed

Standards

- In accordance with Chapter 4.6 of the Rock County Code of Ordinances. Located on the principle structure, for emergency response purposes.

Structure Address Points – City of Janesville**Layer Status**

- Complete

Custodian

- City of Janesville, Planning Services

Maintenance

- As needed, in conjunction with new addresses or requested changes

Standards

- Layer created in ArcGIS for each parcel from Address records maintained in MSGovern database. Where appropriate the address point is located on the primary structure for each parcel.

Building Footprints**Layer Status**

- Complete

Custodian

- Rock County Planning, Economic and Community Development

Maintenance

- Updated in concurrence with release of new aerial imagery

Standards

- Current and some historic building footprints in unincorporated areas of Rock County.

Building Footprints – City of Janesville**Layer Status**

- In process

Custodian

- City of Janesville, Planning Services

Maintenance

- As time permits

Standards

- Layer created in ArcGIS from orthoimagery. To date, all structures located within the floodplain and downtown have been digitized.

Address Range**Layer Status**

- Complete

Custodian

- Rock County Planning, Economic and Community Development

Maintenance

- As needed.

Standards

- Used to assign addresses in accordance with Chapter 4.6 of the Rock County Code of Ordinances.

Street Centerlines**Layer Status**

- Complete

Custodian

- Rock County 911 Communications Center

Maintenance

- As changes occur, now maintained by the Rock County 911 Communications Center.

Standards

Street Centerlines were originally created by private vendor TopComp, Inc. TopComp, Inc. collected GPS points by driving each road in both directions. A single line was then drawn down the middle of the two lines to create a street centerline. All street centerlines are broken at intersections and municipal boundaries. Block ranges are assigned to each centerline segment depicting “to” and “from” on both even and odd sides.

Street Centerlines – City of Janesville

Layer Status

- Complete

Custodian

- City of Janesville, Planning Services

Maintenance

- As needed.

Standards

- Layer created from CAD file in ArcGIS and attributed from historic records, most notably the 80 scale hardcopy maps. New streets are added from Engineering as built drawings.

Street Centerlines – City of Beloit

Layer Status

- Complete

Custodian

- Rock County 911 Communications Center

Maintenance

- As changes occur, now maintained by the Rock County 911 Communications Center.

Standards

- Private vendor TopComp, Inc. originally created street Centerlines. TopComp, Inc. collected GPS points by driving each road in both directions. A single line was then drawn down the middle of the two lines to create a street centerline. All street centerlines are broken at intersections and municipal boundaries. Block ranges are assigned to each centerline segment depicting “to” and “from” on both even and odd sides.

Rights of Way

Layer Status

- Rights of Way are maintained as part of the parcel polygon and line layers.

Custodian

- Real Property Lister

Maintenance

- Annually inconjunction with the Assessment cycle

Standards

- Based on recorded documents, local town road documents.

Trails – City of Janesville

e.g., recreational trails

Layer Status

- Complete

Custodian

- City of Janesville, Planning Services

Maintenance

- Updated as changes occur

Standards

- Layer created in ArcGIS from orthoimagery and other construction documents. The trails are categorized as the following: Off-Road / Separated from Traffic, On-Street / Shared with Autos, or Dedicated Bike Lane. New trails are added from Engineering as built drawings.

Trails

e.g., recreational trails

Layer Status

- In process

Custodian

- Rock County 911 Communications Center

Maintenance

- Updated as changes occur

Standards

- Information is requested from local clubs annually

Sidewalks – City of Janesville

Layer Status

- Complete

Custodian

- City of Janesville, Planning Services

Maintenance

- As needed

Standards

- Layer created in ArcGIS from orthoimagery where sidewalk was present. When no sidewalk was visible, an offset of the parcel line was used. The sidewalks are classified as one of the following: Planned - City Funded, Planned - Unfunded, Unplanned - Unfunded, or Planned, Non-City Funded. The sidewalk layer was used to create the City's Pedestrian Transportation Corridor Plan (PTCP) Map

Land Use

2010 Land Use

Layer Status

- Complete

Custodian

- Rock County Planning and Development

Maintenance

- None planned at this time. Rock County has Town Zoning Authority. As such, there is no uniform form of communication between individual towns and the county. A new current land use layer is created with each orthoimagery flight.

Standards

- The Rock County Land Use Inventory was designed using a Classification System designed by Planning Staff to be able to capture land use traits important in staff decisions. The main purpose of the inventory is to describe what actually takes place in physical or observable terms.

2009 Comprehensive Plan (Land Use and Future Land Use) – City of Janesville

Layer Status

- Complete

Custodian

- City of Janesville, Planning Services

Maintenance

- As needed, per statute

Standards

- The City of Janesville consulted with Vandewalle & Associates. The Comprehensive Plan was prepared under the State of Wisconsin's comprehensive planning legislation, adopted in 1999 and contained in s66.1001, Wisconsin Statutes.

2000 Land Use

Layer Status

- Complete

Custodian

- Rock County Planning and Development

Maintenance

- None planned at this time. Rock County has Town Zoning Authority. As such, there is no uniform form of communication between individual towns and the county. A new current land use layer is created with each orthoimagery flight.

Standards

- Land Use described using American Planning Association Land Based Classification System.

Current Land Use – City of Beloit

Layer Status

- Complete

Custodian

- GIS Specialist, City of Beloit Engineering Division

Maintenance

- Continuously maintained

Standards

- Land Use described using American Planning Association Land Based Classification System.

Future Land Use

Layer Status

- Complete

Custodian

- Individual Towns

Maintenance

- Rock County Planning and Development updates the data as it is supplied by individual towns.

Standards

- s. 66.1001, Wis. Stats. Comprehensive planning.
Created by "stitching" together the land use plans as provided by the towns in their Comprehensive Plan updates for Comprehensive Plan 2035. This is a general overview and does not supersede the plans as adopted by the towns.

Zoning

County General Zoning

Layer Status

-

Custodian

-

Maintenance

-

Standards

- Rock County does not have General Zoning Authority

General Zoning - City of Beloit

Layer Status

- Complete, in Maintenance

Custodian

- GIS Specialist, City of Beloit Engineering Division

Maintenance

- As Needed

Standards

- City of Beloit uses common planning standards in the maintenance of this layer.

General Zoning - City of Janesville

Layer Status

- Complete, in Maintenance

Custodian

- City of Janesville, Planning Services

Maintenance

- As needed when zoning amendments or annexations occur.

Standards

- Zoning classifications are designated by City ordinance. The zoning map is the official record of zoning districts in the City of Janesville. Amendments to the zoning map, including annexations of new lands, are approved by the City Council and reflected on the official zoning map.

County Shoreland Zoning

e.g., shoreland, farmland preservation, floodplain, and airport protection

Layer Status

- Completed

Custodian

- Rock County Planning, Economic and Community Development

Maintenance

- As needed

Standards

- Lands within the following distances from the ordinary highwater mark of navigable waters: 1,000 feet from a lake, pond or flowage; and 300 feet from a river or stream or to the landward side of the floodplain, whichever distance is greater.

County Airport Overlay Zoning

e.g., shoreland, farmland preservation, floodplain, and airport protection

Layer Status

- Completed

Custodian

- Rock County Planning, Economic and Community Development

Maintenance

- As needed

Standards

- The 3-mile zoning jurisdiction of the Southern Wisconsin Regional Airport in Janesville, Wisconsin, as well as Zone D of the Airport Land Use Plan and Airport Overlay Zoning District Ordinance as administered under Chapter 4.3 of the Rock County Ordinances.

County Floodplain Zoning

e.g., shoreland, farmland preservation, floodplain, and airport protection

Layer Status

- Completed

Custodian

- Rock County Planning, Economic and Community Development

Maintenance

- As needed

Standards

- Extracted from data supplied by the Wisconsin Department of Natural Resources and Federal Emergency Management Agency for the purposes of floodplain mapping. This data is not to supersede any productions regarding floodplain mapping by the aforementioned agencies.
- This is for advisory purposes only and does not replace an actual field survey

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

- In Progress. 16 Towns have maps and data housed at the County for distribution.

Custodian

- Individual Town Governments.

Maintenance

- Rock County Planning and Development updates the data as it is supplied by individual towns.

Standards

- Town records supersede County records.

Administrative Boundaries

Civil Division Boundaries

Cities and Villages

Layer Status

- Complete

Custodian

- Rock County Planning, Economic and Community Development

Maintenance

- As needed

Standards

- Boundaries are updated throughout the year as annexations are reported to the Planning, Economic and Community Development Agency. Several times a year the agency checks for updates with the Wisconsin Secretary of State Website and Rock County Register of Deeds.

Civil Division Boundaries

Cities, Villages and Towns - Area

Layer Status

- Complete

Custodian

- Rock County Planning, Economic and Community Development

Maintenance

- As needed

Standards

- Boundaries are updated throughout the year as annexations are reported to the Planning, Economic and Community Development Agency. Several times a year the agency checks for updates with the Wisconsin Secretary of State Website and Rock County Register of Deeds. The

Agency also updates boundaries based on improved information from the Surveyor's Office and Real Property Lister.

Civil Division Boundaries

Cities, Villages and Towns - Area

Layer Status

- Complete

Custodian

- Rock County Real Property Lister

Maintenance

- Daily, in conjunction with the annual Assessment cycle.

Standards

- Boundaries are updated throughout the year as annexations are recorded in the Rock County Register of Deeds Office Once a year the Wisconsin Secretary of State Website is checked for additional annexations that have not been recorded.

Civil Division Boundaries – City of Beloit

City - Area

Layer Status

- Complete

Custodian

- GIS Specialist, City of Beloit Engineering Division

Maintenance

- Daily, in conjunction with the annual Assessment cycle.

Standards

- City of Beloit will adhere to all statutory standards in maintenance of the layer.

Civil Division Boundaries – City of Janesville

City - Area

Layer Status

- Complete

Custodian

- City of Janesville, Planning Services

Maintenance

- As needed

Standards

- Boundaries are updated throughout the year as annexations are recorded.

MPO Planning Boundary – City of Janesville

Layer Status

- Complete

Custodian

- City of Janesville, MPO

Maintenance

- Next Update in 2020, in conjunction with Decennial Census.

Standards

- The Planning boundary is determined by the MPO and it is reviewed and adjusted in conjunction with the urbanized area adoption.

MPO Adjusted Urbanized Area Boundary – City of Janesville

Layer Status

- Complete

Custodian

- City of Janesville, MPO

Maintenance

- Next Update in 2020, in conjunction with Decennial Census.

Standards

- The MPO adjusted urbanized area boundary is derived from the U.S. Census Bureau after each Decennial Census. The Census Bureau determines the urbanized areas and the MPO may make minor adjustments before adopting the boundary.

Civil Division Boundaries

Cities, Villages and Towns - Line

Layer Status

- Complete

Custodian

- Rock County Planning, Economic and Community Development

Maintenance

- As needed

Standards

- Boundaries are updated throughout the year as annexations are reported to the Planning, Economic and Community Development Agency. Several times a year the agency checks for updates with the Wisconsin Secretary of State Website and Rock County Register of Deeds. Agency also updates boundaries based on improved information from the Surveyor's Office and Real Property Lister.

School Districts

Layer Status

- Complete
- The School Districts layer was created with the tax code from the parcels database. Gaps in the data caused by non-taxable features were filled in according to adjacent parcels.

Custodian

- Rock County Planning, Economic and Community Development

Maintenance

- As needed by Rock County Planning, Economic and Community Development.

Standards

- The school district layer is derived from the assessor's data. If there is an issue with the school district information the municipal assessor should examine the data and make sure the appropriate district is getting documented. Agency also updates boundaries based on improved information from the Surveyor's Office and Real Property Lister.

Election Boundaries

Rock County Board of Supervisors Supervisory Districts

Layer Status

- Complete

Custodian

- Rock County Planning, Economic and Community Development.

Maintenance

- This layer is not updated until the decennial census redistricting.

Standards

- Supervisory Districts that have been reconciled to county data from the Supervisory Districts as supplied by the Wisconsin Legislative Technology Services Bureau (LTSB). It was adopted by the Rock County Board of Supervisors on 3/22/2012.

Election Boundaries

Rock County Ward Boundaries

Layer Status

- Complete

Custodian

- Rock County Planning, Economic and Community Development.

Maintenance

- This layer used to only be updated during the decennial census redistricting. Plans are in the works to update it to current boundaries and develop a work plan for routine maintenance.

Standards

- Voting wards that have been reconciled to county data from the Voting Wards as supplied by the Wisconsin Legislative Technology Services Bureau (LTSB). It was created by dissolving Rock_County_Voting_Details_2011 on JVT2, the municipal ward field.

Utility Districts

Sanitary Districts

Layer Status

- Completed

Custodian

- Rock County Planning, Economic and Community Development

Maintenance

- As needed

Standards

- 208 Water Quality Districts for the Beloit Area and City of Janesville are denoted. Tax information was used to determine if specific parcels were included in the Consolidated Koshkonong Sewer Districts. Municipalities that are not part of a 208 Water Quality district, but do have municipal sewer utilities are also denoted.

Drainage Districts

Layer Status

- Completed

Custodian

- Rock County Planning, Economic and Community Development

Maintenance

- None planned.

Standards

- Drainage Districts as supplied by Resource Engineering Associates, Inc. (REA)

Public Safety

Law Enforcement Boundaries

Layer Status

- Complete

Custodian

- Rock County 911 Communications Center

Maintenance

- Updated as changes occur

Standards

- Boundaries are determined by each local municipality

Public Safety

Fire/EMS Boundaries

Layer Status

- Complete

Custodian

- Rock County 911 Communications Center

Maintenance

- Updated as changes occur

Standards

- Boundaries are determined by each local municipality

Public Safety

City Boundaries

Layer Status

- Complete

Custodian

- Rock County 911 Communications Center

Maintenance

- Updated as changes occur

Standards

- Boundaries are determined by each local municipality

Public Safety

Emergency Service Number (ESN boundaries)

Layer Status

- Complete

Custodian

- Rock County 911 Communications Center

Maintenance

- Updated as changes occur

Standards

- An ESN is a three-digit number representing a unique combination of emergency service agencies (Police, Fire, EMS) designed to serve a specific range of addresses within a particular geographical area. ESN facilitates the selective routing of calls to the appropriate PSAP.

Public Safety

Reporting District Boundaries

Layer Status

- Complete

Custodian

- Rock County 911 Communications Center

Maintenance

- Updated as changes occur

Standards

- Boundaries are determined by each local municipality

Public Safety

Fire Reporting District Boundaries

Layer Status

- Complete

Custodian

- Rock County 911 Communications Center

Maintenance

- Fire reporting district boundaries are updated as changes occur.

Standards

- Boundaries are determined by each fire department.

Public Safety

Common Places

Layer Status

- Complete / Ongoing

Custodian

- Rock County 911 Communications Center

Maintenance

- Common Places are updated as the 911 Communications Center receives changes, additions or deletions.

Standards

- Common Places are all known businesses, landmarks, schools, campgrounds, mobile home parks, towers, cemeteries, hospitals, etc. This information is provided to the 911 Center by Rock County Law Enforcement Agencies, Fire/EMS Departments, and Municipalities.

Public Safety

Tow Boundaries

Layer Status

- Complete

Custodian

- Rock County 911 Communications Center

Maintenance

- Tow reporting district boundaries are updated as changes occur.

Standards

- Boundaries are determined by each law enforcement agency.

Lake Districts

Layer Status

- Completed, Layer is derived from the Assessment Database

Custodian

- Rock County Real Property Lister

Maintenance

- Annually in conjunction with the Assessment Process.

Standards

- As extracted from the tax parcel database.

Native American Lands

Layer Status

-

Custodian

-

Maintenance

-

Standards

- Rock County has no Native American Lands

Other Administrative Districts

Federal Lands

Layer Status

- Complete

Custodian

- Rock County Planning, Economic and Community Development

Maintenance

- As needed

Standards

- As extracted from the tax parcel database.

Other Administrative Districts

Wisconsin DNR Land

Layer Status

- Completed

Custodian

- Rock County Planning, Economic and Community Development

Maintenance

- As needed

Standards

- Extracted from the tax parcel database.

Other Administrative Districts

Rock County Parks

Layer Status

- Completed

Custodian

- Rock County Planning, Economic and Community Development

Maintenance

- As needed. Supplied by the Rock County Department of Public Works.

Standards

- As supplied by the Rock County Department of Public Works.

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

- Rock County does not have any Hydrography Layers

Custodian

-

Maintenance

-

Standards

-

Utility – Water Distribution System – City of Janesville

Layer Status

- Complete

Custodian

- City of Janesville, Planning Services, Engineering Division, and Water Utility

Maintenance

- As Needed

Standards

- Created from a CAD file, historic 80 scale hardcopy maps, and field books. Layers maintained in ArcGIS to support inventory, daily operation, and maintenance.

Utility – Sanitary Sewer System – City of Janesville

Layer Status

- Complete

Custodian

- City of Janesville, Planning Services, Engineering Division, and Water Utility

Maintenance

- As Needed

Standards

- Created from a CAD file, historic 80 scale hardcopy maps, and field books. Layers maintained in ArcGIS to support inventory, daily operation, and maintenance.

Utility – Storm Sewer System – City of Janesville

Layer Status

- Complete

Custodian

- City of Janesville, Planning Services, Engineering Division, and Operations

Maintenance

- As Needed

Standards

- Created from a CAD file, historic 80 scale hardcopy maps, and field books. Layers maintained in ArcGIS to support inventory, daily operation, and maintenance.

Cell Phone Towers

Layer Status

- Complete / On going

Custodian

- Rock County 911 Communications Center

Maintenance

- As changes occur

Standards

- Rock County cell phone towers are included in the public safety common place layer.

Bridges and Culverts

Layer Status

- Rock County does not have Bridges and Culverts mapped.

Custodian

-

Maintenance

-

Standards

Other

Fire Hydrants / Water Sources

Layer Status

- Completed

Custodian

- Rock County 911 Communications Center

Maintenance

- As needed

Standards

- Developed with assistance from Local Fire Departments.

Railroads - Line

Layer Status

- Completed

Custodian

- Rock County Planning, Economic and Community Development

Maintenance

- As needed

Standards

- Railroads are updated as reported by the Economic Development Manager.

Railroads - Polygon

Layer Status

- Completed / Ongoing

Custodian

- Rock County 911 Communications Center

Maintenance

- As needed

Standards

- Railroads are updated as known changes occur

Zip Code Boundaries

Layer Status

- Completed

Custodian

- Rock County 911 Communications Center

Maintenance

- As needed

Standards

- Boundaries are updated when known changes occur.

3 LAND INFORMATION SYSTEM

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

LAND INFORMATION SYSTEM

An orderly method of organizing and managing land information and land records

– Wis. Stats. section 16.967(1)(c)

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

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

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

Current Land Information System (optional)

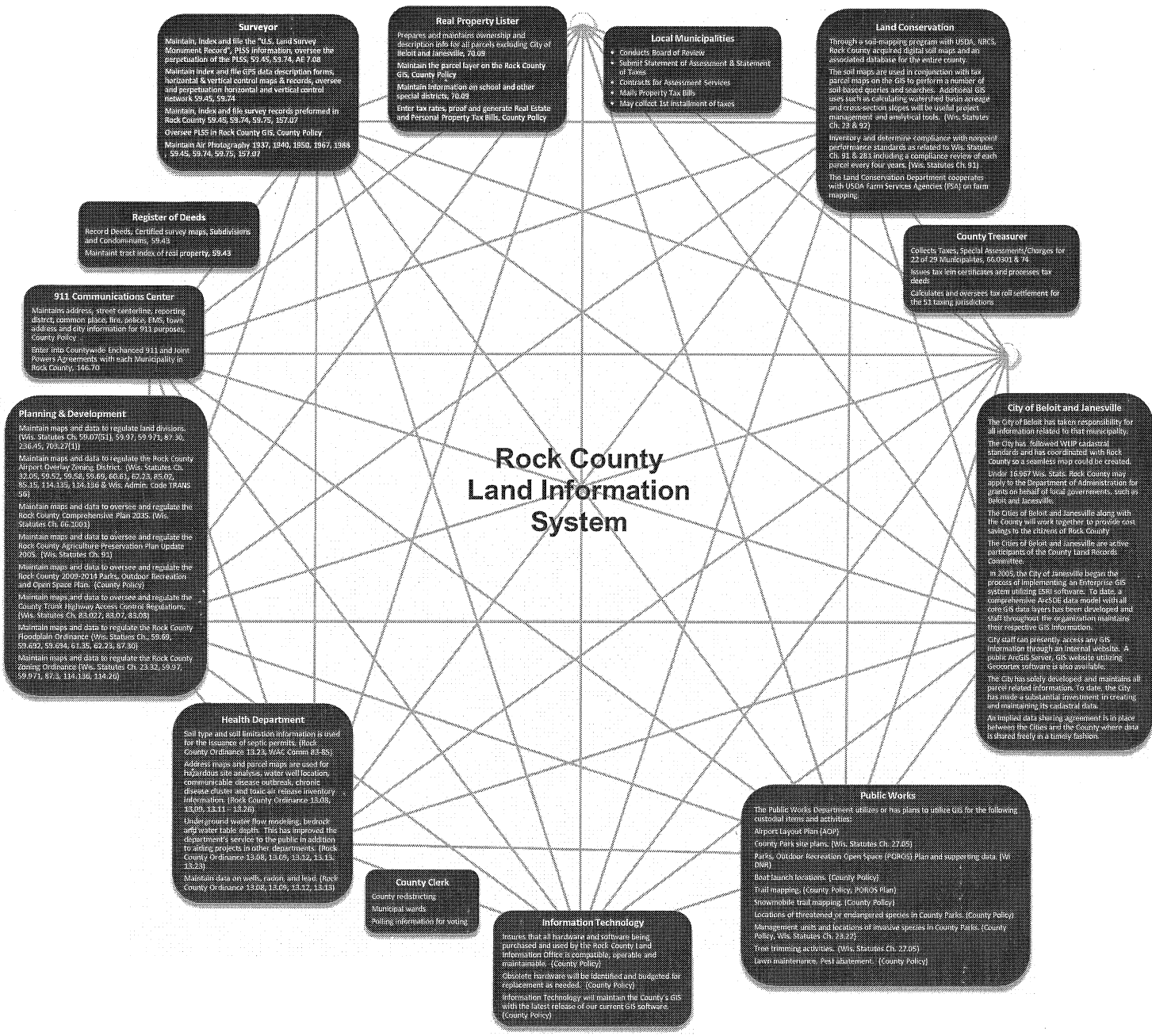


Figure 1. Rock County Land Information System

County Parcel Data Workflow Diagram

This required section features a diagram that documents your county's parcel mapping and tax roll process. The diagram can be general and simple. Complex diagrams are welcome, but the purpose of the parcel workflow is for WLIP staff and other readers to better understand the various aspects of parcel data creation and maintenance, which greatly vary from county to county.

The workflow diagram for parcel data should depict:

- Major components of parcel data, especially those referenced by s. 59.72(2)(a), including:
 - 1) parcel polygons, 2) tax roll data, and 3) zoning information
- Integration of parcel polygons with other data/attributes, if applicable
- Departments/offices/staff involved with the creation and maintenance of parcel data

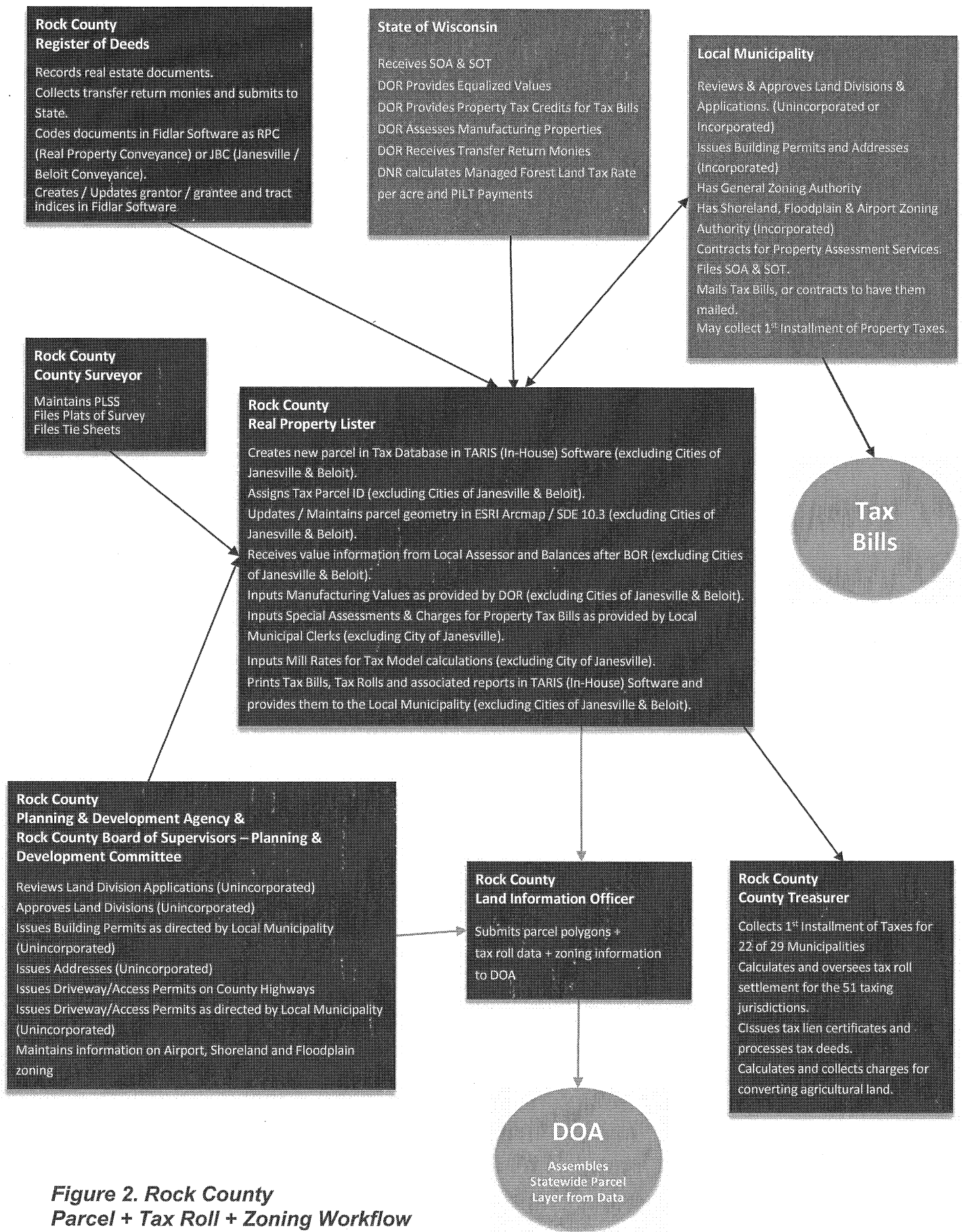


Figure 2. Rock County Parcel + Tax Roll + Zoning Workflow

Technology Architecture and Database Design

Rock County has a Land Records Portal through which Land Records data can be obtained (<http://www.co.rock.wi.us/land-records>). Offices that participate in Land Records in the County are listed and linked, and include: Administrator's Office; 911 Communications Center; Land Conservation; Planning, Economic and Community Development; Public Health; Public Works; Real Property Lister; Register of Deeds; Surveyor and Treasurer. Links to the City of Beloit and City of Janesville are also included as they participate in Land Records activities as well. As of 2015 interactive maps and apps that are included on this page are Rock County Land Records, Town Zoning, Building Site Permit App, Airport Zoning App, Shoreland Zoning, Floodplain Zoning, Countywide Zoning Jurisdictions and Supervisory Districts. Property Division Maps are available via PDF. The Treasurer's Office Tax Database Search and the Surveyor Database Search are linked in this portal as well. It is the intent of Rock County to continue to expand this portal as new maps and apps are created and as technologies evolve. The maps, apps and searches on this page are also available on individual department's web pages giving multiple entry points for the end user to easily find the information they need. All maps and apps are housed internally on County Servers. Data and hard copy maps may be also obtained for a nominal fee through this portal. Data is replicated from the internal servers to the public facing servers on a nightly basis.

The following describes Rock County's hardware for Land Information:

2 - Windows 2008 R2 Sever - 64-bit Standard Edition with SQL Server 2008.

One server is used for our internal Land Information data development. On this server, we utilize an ArcGIS SDE database in a SQL Server 2008 environment.

The second server uses replicated data which serves our public website. Data is replicated on a nightly basis.

The ArcGIS Image Server extension is also installed on this server. Image services created are used in our public website and are also available internally as well externally.

1 - Windows 2008 R2 Server 64-bit Standard Edition.

This server is used as a GIS departmental server which provides storage space for all GIS related data.

The following describes Rock County's software in use to develop/maintain/Analyze Land Information:

Rock County uses the following ESRI software to create/maintain Land Information data:

11 - ArcGIS Desktop (Advanced) Concurrent Use licenses

2 - ArcGIS Desktop (Basic) Concurrent Use licenses

2 - ArcGIS 3D Analyst for Desktop Concurrent Use License

2 - ArcGIS Network Analyst for Desktop Concurrent Use License

2 - ArcGIS Spatial Analyst for Desktop Concurrent Use License

17 - ArcGIS Desktop (Basic) Single-Use licenses

4 - ArcGIS 3D Analyst for Desktop Single Use License

4 - ArcGIS Spatial Analyst for Desktop Single Use License

4 - ArcGIS Network Analyst for Desktop Single Use License

1 - ArcGIS Tracking Analyst for Desktop Single Use License

2 - ArcGIS for Server Enterprise Standard (Windows) Up to Four Cores License

1 - ArcGIS Image Extension for Server Enterprise Standard Up to Four Cores License

Land Information data is stored in an ArcGIS SDE geodatabase as well as File geodatabase's.

Additional Software used:

Pictometry Extension for ArcGIS Desktop

Xtools Pro for ArcGIS
LP360
Gizinta

The following describes the software used for development of Rock County's Land Information website:

Rock County is using ESRI's Flexviewer software to create all the interactive web maps on our website.
Tax Database Search web app which is created using Java/HTML
Surveyor Database Search web app which is created using PHP/HTML
Property Division Maps displayed as Static .pdf maps

Metadata and Data Dictionary Practices

The County uses Esri ArcCatalog to create and maintain metadata. The software generates metadata consistent with the FGDC Content Standard for Digital Geospatial Metadata. The County uses a template to complete portions of the metadata that remain consistent across all metadata such as the custodian and contact information. The County manually completes the description, summary, attributes and keywords (tags) for the content that remains. Minimum metadata requirements include the information stored in the template as well as Description, Summary and tags.

Municipal Data Integration Process

City of Beloit:

The City of Beloit is an active participant of the Land Records Committee. The City of Beloit maintains a Cloud-Based Enterprise GIS system utilizing ESRI software. Core GIS data layers have been developed and staff throughout the organization maintain their respective GIS information. City of Beloit staff also maintains public and internal interactive mapping websites to distribute geographical data.

The City of Beloit has solely developed and maintains all parcel related information. To date, the City of Beloit has made a substantial investment in creating and maintaining its cadastral data. Under (s. 16.967(7)(a), Wis. Stats. Rock County will apply in accordance with the states grant funding cycle to the Department of Administration, to pass through a portion of their Strategic Initiative funding on behalf of Beloit. This funding is for the formatting of parcel data to meet the requirements of the Statewide Parcel Map Initiative established by Act 20. The City and County continue to work together to foster a collaborative effort in regards to technology, appropriate data exchange, standards, and acquisition projects to ensure a seamless integration of land records and other appropriate data. To further aid in the GIS data accessibility between the City and County, appropriate real-time ArcGIS Server connections should be further implemented and utilized. An implied data sharing agreement also is in place between the City and the County where data is shared freely in a timely fashion.

City of Janesville:

The City of Janesville is an active participant of the Land Records Committee. The City of Janesville maintains an Enterprise GIS system utilizing ESRI software. Core GIS data layers have been developed and staff throughout the organization maintain their respective GIS information. City staff also maintains public and internal interactive mapping websites to distribute geographical data. These websites utilize REST-based architecture created with the help of Geocortex software products. The City of Janesville has solely developed and maintains all parcel related information. To date, the City has made a substantial investment in creating and maintaining its cadastral data. Under (s. 16.967(7)(a), Wis. Stats. Rock County will apply in accordance with the states grant funding cycle to the Department of Administration, to pass through a portion of their Strategic Initiative funding on behalf of Janesville. This funding is for the formatting of parcel data to meet the requirements of the Statewide Parcel Map Initiative established by Act 20.

The City and County continue to work together to foster a collaborative effort in regards to technology, appropriate data exchange, standards, and acquisition projects to ensure a seamless integration of land records and other appropriate data. To further aid in the GIS data accessibility between the City and County, appropriate real-time ArcGIS Server connections should be further implemented and utilized. An implied data sharing agreement also is in place between the City and the County where data is shared freely in a timely fashion.

Public Access and Website Information

List websites for public access to land information, perhaps in a table format as in the example below. If your county has one single URL for multiple functions (GIS webmapping, land records search, tax parcel search, zoning, and PLSS tie sheets), make sure it is clear to the reader that one website serves as a portal and/or achieves multiple functions. If county zoning information is available online—whether through an app, PDF map, or other format—note that as well.

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

Public Access and Website Information

Type of Website	Software or App	3 rd Party or Contractor	URL	Update Frequency/Cycle
Rock County Land Records Interactive Map	ESRI/Rock County Land Records	In-House	http://www.co.rock.wi.us/Rock/RockCoGis/	Nightly
ROD land records search tools	Tapestry	Fidlar Technologies	http://www.co.rock.wi.us/registerofdeeds-online-search	Daily
RPL or tax parcel search	Java/HTML / Tax Database Search	In-House	http://www.co.rock.wi.us:8080/servlet/AttributeServletRock	Nightly
Zoning information Web Application	ESRI/Interactive Town Zoning App	In-House County Planning and Zoning Administrator	http://www.co.rock.wi.us/planning-gis-maps-data	Nightly
Building Site / Permit Plan Site	ESRI/Building/Permit Site Plan App	In-House County Planning and Zoning Administrator	http://www.co.rock.wi.us/Rock/BuildingSitePermit/	Nightly
PLSS tie sheets (PDF)	Java/HTML	In-House County Surveyor	http://www.co.rock.wi.us/surveyor-combined-plss-monument-record-pdf-files	Nightly
Surveyor Database Search	Java/HTML / Surveyor Database Search	In-House County Surveyor	http://www.co.rock.wi.us/Rock/SurvSearch/Surveyorphp.html	Nightly
City of Beloit Interactive Parcel Map	ESRI	Sidwell, Inc	http://cityofbeloitwi.mygisonline.com/	Nightly
City of Janesville Interactive Parcel Map	ESRI	Geocortex	http://gis.ci.janesville.wi.us/	Nightly

In this section, you may also *optionally* list municipal websites serving land information data that are maintained or sponsored by municipalities within your county. If applicable, note any municipalities which display county data by accessing county servers (e.g., through county REST end points).

Data Sharing

Data Availability to Public

GIS Data

Data is available to the public through a variety of means: maps/apps, data and hardcopy maps, and via the rest service endpoint. The maps and apps as well as the rest service endpoint are available free for use from anyone with an internet connection. Rock County intends to develop apps that will be available from the

Apple Store and Google Play. If needed existing hardcopy maps and data are available for nominal fee to cover the cost of reproduction. Rock County uses either email or FTP servers to distribute data. If a CD or DVD is required, or if data is shipped it is at the requestor's expense. If data orders exceed 4GB in size, the requestor must send a flash drive for data transfer. Custom maps, data and query requests may be filled at discretion of Rock County for a fee of \$75/hour. This fee will only be charged to create something new and does not pertain to existing documents. A fee schedule is included in Appendix A.

Register of Deeds

All recorded documents are public record. The documents can be accessed in the Register of Deeds office through Laredo at public terminals for no charge. Statutory copy fees apply. Laredo is the interface to Fidlar for ROD public users and member users.

Also, the documents are available through Tapestry online. Tapestry is the online interface to Fidlar for public users. Search fees and copy fees apply online.

Data Sharing Restrictions

The Rock County Land Information/GIS Data Agreement is included in Appendix B.. This agreement covers data that is being requested as a deliverable and is distributed upon receipt by the County of a data request. It requests that Rock County be cited as a source, requests reciprocity of the end product, and requests that the data not be distributed to other secondary users unless the user is a contracted agent of the recipient. Disclaimers are also provided on the maps and apps available through the portal and reminds end users that the data contained in these services is not a substitute for a field survey.

Government-to-Government Data Sharing

Data available to the public is also available to government entities and educational institutions. There is no reproduction fee or shipping/handling fees charged.

Register of Deeds

Several county offices have access to Laredo for recorded documents. Also, the Wisconsin Department of Revenue Auditor and Manufacturing Property Assessment office have access to Laredo.

Training and Education

Rock County utilizes many resources for Training and Education, which is conducted as time and resources allow. The County regularly sends members to the Esri Wisconsin User Group, Wisconsin Land Information Association regional meetings and annual conferences, and the Esri International User Conference. If resources allow, workshops scheduled as part of the conferences are accessible to Land Records personnel. The County also takes advantage of online training and courses (free or at a cost) and, when necessary, instructor led courses that are not associated with the aforementioned conferences and meetings.

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.

For each project, identify:

- Project Description/Goal

- Business Drivers
- Objectives/Measure of Success
- Project Timeframes
- Responsible Parties
- Estimated Budget Information

If your county foresees or has major technology projects planned, list them in this chapter as a project. Note that projects may focus on one single Foundational Element, or they may touch upon several Foundational Elements. Remember plans can be amended in the future should other significant projects arise.

Project Subheadings

Project Title

Project Description/Goal

Describe the project or goal in 1-3 sentences. List the Foundational Elements impacted by the project at the end of the description.

Business Drivers

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

Objectives/Measure of Success

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

Project Timeframes

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

Responsible Parties

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

Estimated Budget Information

Give an estimated budget for project costs, and the source of funding to be used. This is a *projected, estimated* budget to aid planning efforts. The WLIP understands that budgeting requires some flexibility. It is certainly acceptable if new funding opportunities or new projects arise after the plan is approved. Plans can also be amended to include new projects if necessary.

Individual cost information can be presented for each project, or the overall budget for all projects combined can be provided in a single table at the end of Chapter 4, as in the example on page 24.

Project #1: Land Use Inventory

Project Description/Goal

The Planning, Economic and Community Development Agency will use the 2015/2016 Orthoimagery to create a current land use inventory. The last inventory was completed in 2011 with 2010 Orthoimagery and needs to be updated. Rock County does not have zoning authority, building site permit authority, or land division authority over the entire county. This makes it difficult to establish changes in landscape as they happen. It was determined that using the orthoimagery is the most reliable way to update the land use inventory. An intern, with oversight from planning staff, typically completes this project. The same protocol will be followed for the 2016 Land Use Inventory

Business Drivers

- The Land Use inventory is a required piece of the Rock County Comprehensive Plan and needs to be updated.
- The Land Use Inventory is used to detect patterns of Land Use Change.
- The Land Use Inventory is used to help plan economic development opportunities.

Objectives/Measure of Success

Measures of success:

- Completed land use inventory.
- Updated Hardcopy map.
- Amended in Comprehensive Plan.
- Online Web App.

Project Timeframes

Milestone	Duration	Date
Project #1 start	–	October 1, 2016
Conduct Inventory	2 months	October 1, 2016- November 30, 2016
Quality Check Inventory	1 month	December 1, 2016 – December 31, 2016
Amend Comprehensive Plan	1 month	January 1, 2017 January 31, 2017
Create Hard Copy Maps and Online Apps	1 month	February 1, 2017- February 28, 2017
Project Complete		February 28, 2017

Responsible Parties

GIS Manager (25%), GIS Intern (70%), Other Planning Staff (5%)

Estimated Budget Information

Project	Item	Unit Cost	Cost	Total Project Cost
1. Land Use Inventory	a. GIS Manager	4% of \$36,000	\$1,440	–
	b. GIS Intern	100% of \$5,500	\$5,500	–
	c. Planner III	2% of \$26,000	\$520	–
	d. Mileage	200 miles* \$0.575/mile	\$115	–
GRAND TOTAL				\$7,575

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

Project #2: Archiving Hard Copy Documents

Project Description/Goal

The Planning, Economic and Community Development Agency will continue to scan hardcopy maps and documents for a digital archive of those documents. The goal is to have everything scanned and in cases where it would prove useful georeferenced to maps.

Business Drivers

- Hardcopy maps and documents are degrading due to age.
- Having a digital archive of hardcopy maps and documents will make retrieval of needed maps and documents more efficient.
- A selection of the maps will be accessible via the public facing website.

- Documents may be georeferenced to provide more efficient document search.
- Having documents scanned and archived would preserve them for future use.
- Having documents scanned and archived would free up space in the office

Objectives/Measure of Success

Measures of success:

- Hardcopy maps scanned and indexed.
- Hardcopy documents scanned and indexed.
- Documents and maps available for internal use
- Documents and maps available for external use
- Hard copy maps transferred, destroyed or in long term storage

Project Timeframes

Milestone	Duration	Date
Project #2 start	-	January 1, 2016
Scan hardcopy maps	18 months	January 1, 2016 – June 30, 2017
Scan hardcopy documents	18 month	January 1, 2016 – June 30, 2017
Georeference maps	18 months	January 1, 2016 – June 30, 2017
Put documents and maps on intranet	6 months	July 1, 2017 – December 1, 2017
Put documents and maps on internet	6 months	July 1, 2017 – December 31, 2017
Hard copy maps transferred, destroyed or put in long term storage	12 months	January 1, 2018 - December 31, 2108
Project Complete		December 31, 2018

Responsible Parties

GIS Manager (25%), GIS Intern (50%), Other Planning Staff (5%), IT staff (20%)

Estimated Budget Information

Project	Item	Unit Cost	Cost	Total Project Cost
2. Archiving Hard Copy Documents	a. GIS Manager	4% of \$163,000	\$6,520	-
	b. GIS Intern	50% of \$33,000	\$16,500	-
	c. Planner III	2% of \$195,000	\$3,900	
	d. IT Staff	2% of \$291,000	\$5,820	
	e. Hardware			
GRAND TOTAL				\$32,740

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

Project #3: Apps and Maps conversion

Project Description/Goal

The Planning, Economic and Community Development Agency, and Information Technology will update the current maps and apps from using the FlexViewer API to using the Javascript API. They will also work on making apps available for Apple and Android devices, as well as available on ArcGIS online.

Business Drivers

- Current website not available for use on smartphones.
- Current API being deprecated.
- Reduces the number of time consuming phone calls staff receives for basic queries.
- Will allow staff to conduct queries in the field.
- As more internal users come online, having ArcGIS Online maps and apps will allow for expansion.

Objectives/Measure of Success

Measures of success:

- All apps and maps converted to the new JavaScript API
- New apps in the App store and Google Play
- User focused maps and apps in ArcGIS Online

Project Timeframes

Milestone	Duration	Date
Project Begins		January 1, 2016
Maps and Apps to Arc GIS Online	12 Months	January 1, 2016 – December 31, 2016
Maps and Apps to JavaScripts API	12 Months	January 1, 2016 – December 31, 2016
Maps and Apps to Appstore and Google Play	12 Months	January 1, 2016 – December 31, 2016
Project End		December 31, 2016

Responsible Parties

GIS Manager (25%), GIS Intern (50%), Other Planning Staff (5%), IT staff (20%)

Estimated Budget Information

Project	Item	Unit Cost	Cost	Total Project Cost
3. Apps and Maps conversion	a. GIS Manager	50% of \$110,000	\$55,000	–
	b. IT Staff	10% of \$90,000	\$9,000	–
	c. GIS Intern	25% of \$10,300	\$2,575	
	d. Development Licenses	Appstore \$100 Google Play \$25	\$125	

	e.			
GRAND TOTAL				\$66,700

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

Project #4: Shortest Path Routing

Project Description/Goal

Shortest path routing will be beneficial to public safety responders in locating the fastest route to a specific address based on speed and distance.

Business Drivers

This project will be completed by the 911 Communications Center with the assistance of their CAD vendor.

Objectives/Measure of Success

Measures of success:

This project's objective will be to assist new public safety responders, unfamiliar with their jurisdiction, in quickly determining a route for responding to an incident.

A veteran public safety responder may also benefit by learning that the shortest path recommended route may be a quicker route than one always used in the past

Project Timeframes

Milestone	Duration	Date
Project #4 Start	-	November 9, 2015
Meeting w/ CAD Vendor	8 hours	November 9, 2015
2 IT Employees will conduct field testing	16 hours	November 10, 2015

Responsible Parties

The Geo Application Specialist at the Rock County 911 Communications Center, in conjunction with a CAD vendor employee, will complete this project. IT employees from Rock County will assist in testing once the project is complete to ensure that is working as designed.

Estimated Budget Information

Project	Item	Unit Cost	Cost	Total Project Cost
4. Shortest Path Routing	a. Geo Application Specialist	\$44.16/hour, 8 hours	\$353.28	-
	b. IT Public Safety Systems Manager	\$56.73/ hour, 8 hours	\$453.84	-

	c. IT User Support Specialist	\$38.67/hour, 8 hours	\$309.36	
	d.			
	e.			
GRAND TOTAL				\$1,116.48

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

Project #5: Utility Boundaries Layer

Project Description/Goal

Creating a layer showing power and light utility boundaries would be beneficial to public safety responders when utility companies need to be contacted.

Business Drivers

This project will be completed by the Geo Application Specialist at the 911 Communications Center with the assistance of local utility companies. Rock County law enforcement agencies, fire departments, Emergency Management, and 9-1-1 dispatchers will benefit from this layer.

Objectives/Measure of Success

Measures of success:

This layer creation will assist 911 dispatchers in quickly determining which utility company needs to be contacted when emergency responders ask for their assistance.

Project Timeframes

Milestone	Duration	Date
Project Start		Mid 2015
Request Data from Local Utilities		Mid 2015 to end 2015
Compile Data in-house		1 st & 2 nd quarter 2016
Complete		Mid 2016

Responsible Parties

The Geo Application Specialist at the Rock County 9-1-1 Communications Center will create this layer after utility companies provide the necessary data. Successful development of this layer is dependent of the cooperation of local utilities to provide their service area information.

Estimated Budget Information

Project	Item	Unit Cost	Cost	Total Project Cost
5. Utility Boundaries	a. Labor – Geo Application Specialist	24 hours	\$44.16/hr.	\$1,059.84
	a.			-
	b.			

	c.			
	d.			
GRAND TOTAL				\$1,059.84

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

Project #6: Redaction and Indexing of Recorded Documents

Project Description/Goal

Redact all documents that are available on the internet.

Index all documents with document number, document type, volume and page, recording date, document date, grantor/grantee, tract / legal description, and associated document number.

Business Drivers

All documents must be redacted per state statute.

Complete indexing information will assist in searching by the Register of Deeds, Real Property Lister, Assessors, Title companies, other government agencies and the public.

Objectives/Measure of Success

Measures of success:

The Rock County Register of Deeds Office checks current records daily to verify that all Social Security Numbers have been redacted.

Back scanned records that traditionally contained SSN's have also been redacted.

Redaction continues on all back scanned documents as they are indexed.

Complete indexing creates an electronic index and allows documents to be searchable by all of the fields that they are indexed by.

Back scanned documents are indexed and verified daily.

Project Timeframes

Milestone	Duration	Date
Redaction/Indexing Project	Ongoing	2012 - present

Responsible Parties

Register of Deeds and Deputy Register of Deeds, and Register of Deeds Staff work daily on this project as time permits. Some indexing is done through Fidler as well.

Estimated Budget Information

Project	Item	Unit Cost	Cost	Total Project Cost
---------	------	-----------	------	--------------------

6. Redaction / Indexing Project	e.		158,000	260,000
	f.			--
	g.			
	h.			
	i.			
			GRAND TOTAL	\$260,000

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

Project #7: Upgrade of Fidlar Software

Project Description/Goal

Upgrade of Current I-Document software to Fidlar AVID system

Business Drivers

Register of Deeds software will provide for increased functionality, capacity and accessibility.

Objectives/Measure of Success

Measures of success:

The AVID system has been available for a number of years, but has not been proven to this office to be superior to the current software and will be reevaluated annually as part of the County Budget process.

Project Timeframes

Milestone	Duration	Date

Responsible Parties

Register of Deeds

Estimated Budget Information

Project	Item	Unit Cost	Cost	Total Project Cost
7. Upgrade to Avid	j.			Unknown
Hardware upgrades for printers and scanners that are compatible with AVID	k.			--
	l.			
	m.			
	n.			
			GRAND TOTAL	Unknown

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

Project #8: Culvert and Small Bridge Inventory

Project Description/Goal

Conduct GPS field inventory to record location and pertinent information for all culverts and small bridges (less than 20 ft. long) under public roads in Rock County then share as GIS data among county departments that need it. GIS data already exist for bridges that are 20 ft. or longer in the county.

Culvert/small bridge GIS data in conjunction with landscape and land use data (LiDAR, soils, crop history, etc.) can show areas of concern for soil erosion and nutrient movement.

A map-based inventory of culverts and small bridges will allow more flexible assessments based on characteristics, location, or other record.

Business Drivers

- Eliminate redundancy of effort and data among the departments interested in culverts and bridges (Land Conservation, DPW – Highway, and Planning- others??).
- Flexible mapping of culverts and bridges by type, size, and location (town, watershed, roadway, or proximity to other projects).
- Faster project planning any time of the year regardless of the availability of field-ready resources or weather.

Objectives/Measure of Success

Measures of success:

- Create a field collection record that meets needs and is easy to use.
- Maintain and share GIS data with interested departments.
- The data are used.

Project Timeframes

Milestone	Duration	Date
Start project	-	October 5, 2015
Create, test, and finalize GPS data dictionary for field work and plan field work priority areas.	1 month	November 5, 2015
Collect and process field data, batched and shared as needed until entire county is covered.	One year	November 2015 – November 2016
Finalize county layer	One month	November – December 2016
Review county layer	Annual	-

Responsible Parties

	Data dictionary (create and load)	GPS related (post-process and export in GIS format)	Field collection	GIS custodian	Review records
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Estimated hours	10 hrs. one time	0.5 hrs./batch	250 - 350 hrs./year*	1 hr./batch	2 hrs./year
LCD	60%	100%	50%	0%	0%
HWY	40%	0%	50%	0%	100%
Planning	0%	0%	0%	100%	0%

*Estimate to do entire county using 3.75 culverts/mile and survey time of 8 minutes/mile and rough estimate of non-urban miles. Includes some travel time; however, travel time will increase with the number of survey trips.

Estimated Budget Information

Project	Item	Unit Cost	Cost	Total Project Cost
8. Culvert / Bridge Inventory	o. Staff Time	\$44.16/hour	\$15,456	-
	p. Mileage 2,076 miles	.575/mile	\$1,194	-
	q. GIS Manager	10% of \$110,000	\$11,000	
	r.			
	s.			
GRAND TOTAL				\$27,650

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

Project #9: Owner Data Updates from City of Janesville and City of Beloit exported to the County

Project Description/Goal

The County Treasurers Office collects taxes for parcels within the Cities of Beloit and Janesville. However data updates for this purpose are only provided on an annual cycle.

Business Drivers

More frequent updates would allow for a more accurate owner information to be displayed on receipts produced in the County Treasurer's Office.

Objectives/Measure of Success

Measures of success:

Successful development and implementation of a data exchange process which can be used by the Cities to provide data to the County on a Quarterly cycle.

Project Timeframes

Milestone	Duration	Date
Meet with Cities		March – May 2016
Cities send sample data		August 2016
Quarterly updates		2017

Responsible Parties

City of Janesville and City of Beloit will each be responsible for providing data to the County. Rock County Real Property Lister and a member of the IT Department will process the data for loading into the County system.

Estimated Budget Information

Project	Item	Unit Cost	Cost	Total Project Cost
9. Data Updates City of Janesville	t. Staff Time		\$2,000	
Data Updates City of Beloit	u. Staff Time		\$2,000	
Rock County	v. IT Staff Time		\$2,000	
	w.			
			GRAND TOTAL	\$6,000

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

Other Project Sections

Projects Related to Strategic Initiative Grants

Project planning should take into account that beginning in 2016, the WLIP plans to make available annual Strategic Initiative grants of \$50k to all 72 counties, to be prioritized for the purposes of parcel dataset improvement.

For those counties who are planning either 1) parcel or 2) PLSS projects to be funded with WLIP Strategic Initiative grant funds, a parcel and/or PLSS plan for completion should be listed as a project.

Project #10: Project Plan for Parcel Completion - Condo Mapping within City of Janesville and City of Beloit

Project Description/Goal

Convert existing method of depicting condominiums to allow for 1:1 depiction of Condominiums on Parcel Polygon layer.

Business Drivers

Act 20 Statewide Parcel Map Initiative

Objectives/Measure of Success

Measures of success:

Successful completion of Benchmark 3, in conjunction with V3 parcel data submission to DOA

Project Timeframes

Milestone	Duration	Date
Convert condo's	1 year	March 2016 – March 2017
Completion		March 2017

Responsible Parties

City of Janesville and City of Beloit will each be responsible for the conversion of Condominiums within their respective boundaries.

Estimated Budget Information

Project	Item	Unit Cost	Cost	Total Project Cost
10.City of Janesville Condo Conversion	x. Staff Time / Consultant			\$16,000
City of Beloit Condo Conversion	y. Staff Time/Consultant			\$16,000
	z.			
	aa.			
	bb.			
GRAND TOTAL				\$32,000

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

Project #11: Project Plan for PLSS - Completing the Remonumentation of Rock County Boundary

Project Description/Goal

Rock County has 224 PLSS corners set in the original government survey. Of those, 188 have been remonumented. The Rock County Planning, Economic and Community Development Agency and the Land Information Officer intend to remonument the remaining 36 PLSS corners, as well as the non-survey grade PLSS corners by March of 2017.

Business Drivers

Act 20 Statewide Parcel Map Initiative, Accurate County Boundary

Objectives/Measure of Success

Measures of success:

- Successful selection of a qualified Professional Land Surveyor through the RFP process.
- Remaining 36 PLSS section corners remonumented.

Project Timeframes

Milestone	Duration	Date
RFP Process	2-3 mos.	Spring 2016
Work completed by		March 2017

Responsible Parties

Rock County Planning, Economic and Community Development Agency, Rock County Land Information Officer

Estimated Budget Information

Project	Item	Unit Cost	Cost	Total Project Cost
11. County Boundary Remonumentation	cc. PLS Time			\$18,000
	dd.			
	ee.			
	ff.			
	gg.			
GRAND TOTAL				\$18,000

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

Project #12: Project Plan for PLSS - Completing the Remonumentation of Rock County

Project Description/Goal

Rock County has 2500 +/- PLSS corners set in the original government survey. Of those, 2400 +/- have been remonumented with 2177 meeting survey grade coordinates. The Rock County Planning, Economic and Community Development Agency and the Land Information Officer intend to remonument the remaining PLSS corners, as well as the non-survey grade PLSS corners March of 2018.

Business Drivers

Act 20 Statewide Parcel Map Initiative, Benchmark 4 of Statewide parcel map, maintain PLSS

Objectives/Measure of Success

Measures of success:

- Successful selection of a qualified Professional Land Surveyor through the RFP process or using qualified County Staff.
- Successful remonumentation of the remaining corners in the County

Project Timeframes

Milestone	Duration	Date
RFP Process	2-3 mos.	Fall 2016
Work completed by		March 2018

Responsible Parties

Rock County Planning Department – Surveyor Division, Rock County Land Information Officer

Estimated Budget Information

Project	Item	Unit Cost	Cost	Total Project Cost
12. County Remonumentation	hh. PLS Time			\$50,000
	ii.			
	jj.			
	kk.			
	ll.			
GRAND TOTAL				\$50,000

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

Project #13: Address Ordinance Modernization and Sign Inventory

Project Description/Goal

Rock County Planning, Economic and Community and Development is the addressing authority for unincorporated areas of the County. This Project will look at the existing ordinance to update it to allow for current and future best practices of address sign assignment and maintenance of digital data and physical signs. Intern(s) will be tasked with driving the roads of unincorporated municipalities and conducting a physical inventory. The goal is a new ordinance and layer or set of layers which the County can use to determine if further courses of action are required.

Business Drivers

The current Address Ordinance describes the use an outdated hardcopy method of assigning and maintaining addresses. Amending the Address Ordinance allows for digital assigning of addresses and maintaining a database. This will increase accuracy and efficiency of assigning the addresses. The current ordinance also specifies sign installation and visibility that are not currently best practices. Amending the address ordinance will correct that. Some of the current signs are unreadable due to age. Having an inventory of the signs will help determine how widespread this issue is and what type of action (if any) is required.

Objectives/Measure of Success

This project will be considered complete when the address inventory is complete and when the address ordinance has been amended.

Project Timeframes

Milestone	Duration	Date
Project Start		2016
Amend Address Ordinance		End 2016
Address Inventory (Digital)		1 st & 2 nd quarter 2016
Address Inventory (Physical)		2 nd & 3 rd quarter 2017
Address Inventory Report		End 2017

Responsible Parties

Rock County Planning, Economic and Community Development, Real Property Lister and 9-1-1 Communications.

Estimated Budget Information

Project	Item	Unit Cost	Cost	Total Project Cost
13. Address Ordinance Modernization and Sign Inventory	a. GIS Manager	15% of \$163,000	\$24,450	-
	b. GIS Intern	75% of \$33,000	\$24,750	-
	c. Planner III	4% of \$195,000	\$7,800	
	d. 9-1-1 Geoapplications Specialist.	20% of \$140,040	\$28,080	
	e. Real Property Lister	10% of \$163,000	\$16,300	
	f. Mileage	1,123 miles at \$0.54/mile	\$606	
GRAND TOTAL				\$101,986

Ongoing Costs Not Associated with a Specific Project

You may include an optional section for "Ongoing Costs," which are costs not associated with a specific project. This may include ongoing technology expenditures like software licenses or staffing costs for general tasks like production of maps for other county departments and responding to public requests for GIS data.

Rock County has the following ongoing annual costs associated with Land Information / GIS:

Software License/Maintenance Costs

- ESRI ArcGIS Software \$29,700
- ESRI ArcServer Software (in-house server) \$5,000
- ESRI ArcServer Software (web server) \$5,000
- ESRI Image Extension \$2,500
- LP360 LiDAR data management \$750
- Fidar- Land Records System \$65,000
- TerraSync Pro \$885
- Trimble Handheld software \$1,590

Hardware Maintenance Costs

- Large Format Scanner Maintenance \$1,845
- Large Format Scanner Consumables (Rollers, Pads, Lamps) \$2,500
- Trimble Handheld Units \$1,500
- Scanners ROD Office \$1,600
- MFP in Planning \$2,400
- MFP in Land Conservation \$1,000
- Maintenance on 14 PC's \$49,910
- Annual Recommended Replacement of Hardware cost varies
- T1 Communication Line to Land Conservation \$3,600
- Mobile hotspot for Land Conservation GPS Unit \$300

Training & Education

- WLIA Annual Conference (5 people) Approx \$1,500
- WLIA Annual Membership Dues Approx \$200
- EWUG Annual Conference Approx (5 people) \$1,500
- WLIA Regional Conferences (Summer & Fall) Approx \$1,000
- ESRI User Conference (2 people) Approx \$4,000
- Online GIS Training Classes & Instructor Led Courses Approx \$1,500

Staffing

- Cross charge for Cartographer to support parcel mapping Approx. \$52,000
- Cross charge for Land Information Officer to support compliance with WLIP Approx. \$43,000
- Cross charge for County Surveyor to support surveys & tie sheets on the web Approx. \$46,000
- Outside Consulting for Web Development \$5,000

Paper & Printing Supplies

- Roll Paper & Sheet Paper \$1,650
- Ink Jets \$1,000
- Printheads \$500
- Color LaserJet Cartridges \$1,000
- Dvd's & CD's for data distribution \$60
- Data Mailers \$50

Completed Projects

These projects were described in the Land Records Modernization Plan 2010-2015 and were completed during 2010-2015

Planning

- Re-delineation of re-study of or FEMA floodplain mapping
- Update of Hydrology layer
- Address Mapping
- 2010 Orthoimagery /LiDAR acquisition
- Establish Land Evaluation Site Assessment (LESA) Procedure and supporting data to conform with Rock County Comprehensive Plan 2035.
- Establish Purchase of Development Rights (PDR)/Purchase of Agricultural Conservation Easements Program and supporting data to conform with Rock County Comprehensive Plan 2035.
- Update Agricultural Preservation Plan and supporting data
- Update and Re-evaluate Environmentally Significant Open Space Layer.
- Update Land Use Inventory Program and supporting data.
- Establish Digital Submission procedure and database for regulatory documents.

Department of Public Works-Parks

- Update Parks, Outdoor Recreation and Open Space Plan and supporting data.

9-1-1 Communications

- Use county-owned GPS equipment to create a fire hydrant/water source database to assist Rock County fire departments
- Update orthoimagery and oblique imagery to support wireless 9-1-1 callers
- Determine feasibility of in-house GPS maintenance of new street centerlines

Information Technology

- Migration from Esri ArcIMS web mapping technology to esri ArcGIS Server technology.
- Migrate from an Oracle SDE implementation to Microsoft SQL Server implementation
- Improve network infrastructure in order to deliver higher bandwidth for GIS users.
- Implement GIS data replication for business continuity and disaster recovery.

Register of Deeds

- Completion of Optical Imaging / Back scanning project 2013 – 2015

Estimated Budget Information

Project	Item	Unit Cost	Cost	Total Project Cost
1. Land Use Inventory	a) GIS Manager	4% of \$36,000	\$1,440	
	b) GIS Intern	100% of \$5,500	\$5,500	
	c) Planner III	2% of \$26,000	\$520	
	d) Mileage	200 Miles * \$.0575/mile	\$115	\$7,575
2. Archiving Hard Copy Documents	a) GIS Manager	4% of \$163,000	\$6,520	
	b) GIS Intern	50% of \$33,000	\$16,500	
	c) Planner III	2% of \$195,000	\$3,900	
	d) IT Staff	2% of \$291,000	\$5,820	\$32,740
3. Apps and Maps Conversion	a) GIS Manager	50% of 110,000	\$55,000	
	b) IT Staff	10% of \$90,000	\$9,000	
	c) GIS Intern	25% of \$10,300	\$2,575	
	d) Development Licenses	Appstore \$100 Google Play \$25	\$125	\$66,700
4. Shortest Path Routing	a) Geo Application Specialist	\$44.16/hr, 8 hrs	\$353.28	
	b) IT Public Safety Systems Manager	\$56.73/hr, 8 hrs	\$453.84	
	c) IT User Support Specialist	\$38.67/hr, 8 hrs	\$309.36	\$1,116
5. Utility Boundaries Layer	a) Geo Application Specialist	\$44.16/hr, 24 hrs	\$1,059.84	\$1,059
6. Redaction/Indexing of Recorded Documents	a) ROD Staff		\$260,000	\$260,000
7. Upgrade of Fidlar Software to AVID	a)		Unknown	Unknown
8. Bridge and Culvert Inventory	a) Staff Time	\$44.16/ hr, 350 hrs	\$15,456	
	b) Mileage	2,076 miles * .575/mile	\$1,194	
	c) GIS Manager	10% of \$110,000	\$11,000	\$27,650
9. Owner Data Updates from City of Janesville and Beloit	a) City of Janesville Staff Time		\$2,000	
	d) City of Beloit Staff Time		\$2,000	
	e) Rock County IT Staff Time		\$2,000	\$6,000
10. Condo Mapping within City of Beloit and City of Janesville	a) City of Beloit Staff/ Consultant Time		\$16,000	
	f) City of Janesville Staff Time / Consultant Time		\$16,000	\$32,000
11. Completing the Remonumentation of County Boundary	a) PLS Contractor / County Staff		\$18,000	\$18,000
12. Completing the Remonumentation of the County	a) PLS Contractor / County Staff		\$50,000	\$50,000
13. Address Ordinance Modernization and Sign Inventory	a) GIS Manager	15% of 163,000	\$24,450	
	b) GIS Intern	75% of \$33,000	\$24,750	

	c) Planner III	4% of \$195,000	\$7,800	
	d) Geo-Application Specialist	20% of \$140,040	\$28,080	
	e) Real Property Lister	10% of \$163,000	\$16,300	
	f) Mileage	1,123 miles at \$0.54/mile	\$606	\$101,986
GRAND TOTAL				\$604,826

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

Rock County Land Information / GIS Data Agreement

Disclaimer:

The maps and data provided are for informational and advisory purposes only. Rock County makes no warranty, expressed or implied; including warranties of merchantability and fitness for a particular purpose. Determining fitness of use for this data is the sole responsibility of the user. Rock County Land Information Office disclaims accuracy and advises that if specific and precise accuracy is required, it should be determined by certified maps, surveys, plats, or other official means. Rock County will not be responsible for any damages, which result from third party use of the data and maps herein, or for any use, which ignores this warning. The responsibility for data updates resides with the recipient, not the supplier.

Metadata:

Rock County has completed, and will deliver, dataset-related information such as currency, accuracy, compilation, scale, and contact information in a FGDC compliant metadata (.xml) file with each dataset when possible.

Citation:

Any use of the provided information shall be accompanied with Rock County listed as a Data Source.

Other Users:

Recipient agrees not to provide the information identified in this agreement to secondary users, unless the user is a contracted agent of recipient in which case the provided information can only be used in completing contracted services.

Reciprocity:

Recipient agrees to provide a description of data use, hardcopy duplicate, and digital copy of the product containing the supplied data by any contracted agent, if requested by the Rock County LIO/GIS Manager.

Requests and Pricing:

Current price list is available here: <http://www.co.rock.wi.us/geospatial-support-services-fees> . Most products are available in ESRI shapefile format and file geodatabase format. In addition, data from some departments may be provided in other formats such as .dxf, .dwg, .xls, .dbf, jpeg, tiff, bmp, .pdf, etc. In most cases, digital data on floppy disk, CD, or DVD can be mailed within 5 working days of receipt of order. If upon receipt of the data it is unusable due to damage or defect the data will be replaced. No refunds will be given.

Rock County Land Information / GIS Data Agreement

Date: _____

Requestor/Recipient _____

Contact: _____

Address: _____

Phone: _____ Fax: _____

Deliverables Description:

Data Format:

Planned Use:

The undersigned parties hereby agree to the terms above. This agreement will remain in force until either party receives official notice of cancellation.

Requestor/Recipient Signature: _____ Date: _____

Title: _____

Provide/Supplier Signature _____ Date: _____

Title: _____

Rock County Land Information Office Fee Schedule

Products	Price
1). Hardcopy of Existing Digital Map Projects at Existing Map Sizes	\$0.50
	\$0.50
	\$16.00
	\$16.00
	\$18.00
	\$20.00
2). Digital Data	
A) Countywide Planimetric Data Package	\$50.00
<ul style="list-style-type: none"> - Roads - Airport - Hydrology Lines - Hydrology Areas 	<ul style="list-style-type: none"> -Railroads -Section Lines -Section Points -MCD Boundaries
Individual Feature classes <i>ESRI Shapefile or File Geodatabase Format</i>	\$15.00/each
B) Countywide Data requiring processing	
Landuse	\$75.00
Parcel geometry*	\$75.00
Parcel Owner Information*	\$50.00
Zoning** <i>ESRI Shapefile or File Geodatabase Format</i>	\$75.00
*excludes the cities of Beloit and Janesville	
**excludes incorporated areas and the towns of Beloit and Newark.	
C) Other Countywide Datasets	
Addresses	\$25.00
FEMA Floodplains	\$25.00
Countywide ESOSA <i>ESRI Shapefile or File Geodatabase Format</i>	\$25.00
D) Datasets not listed	
Existing Countywide Data requiring processing	\$75.00
Large Countywide Datasets	\$25.00
Small Countwide Datasets <i>ESRI Shapefile or File Geodatabase Format</i>	\$15.00
E) Digital Orthophotography	
Current year 2016 6"	
.sid files are available for Section, Town and County. .tif files are available for sections. Cost is dependent on the file type and amount of data being requested. If files can be transferred in 15 minutes or less there will be no charge, otherwise a \$50/ hour charge applies not to exceed \$200 (.sid) or \$400(.tif) per data set.	
For imagery of the cities of Beloit, Milton and Janesville please contact the respective municipality. Historic Imagery available. Please contact us for pricing.	
F) Digital Topography	
Section .shp / .dwg	No charge for data
Township .shp / .dwg	No charge for data
Countywide .shp / .dwg	No charge for data
G) LiDAR Points	
LiDAR points are available in .dwg, .shp, .las and .xyz format. Cost is dependent on the file type and amount of data being requested. If files can be transferred in 15 minutes or less there will be no charge, otherwise a \$50/ hour charge applies not to exceed \$200 per data set.	
3). Custom Map and data production	\$75.00 per Hour + Deliverables
<i>Availability Based on Approval of Dept. Head</i>	

If data request exceeds 4 GB the requestor must provide hard drive. Hard drive will be returned when payment is received.

Payment due when services are rendered.

All Hardcopy Map and Graphic Products Printed on 24lb Bright White Color Bond.

All Digital GIS Data Delivered in Rock County Coordinate System.

Digital Data Will Be Uploaded or emailed when possible.

If Data is Mailed or Shipped the Data Requestor is Responsible for All Mailing/Shipping Costs.

If the data is unusable due to damage or defect, the data will be replaced. No refunds will be given.

11/7/2016