Door County
Land Information Modernization Plan
July 2010

I. EXECUTIVE SUMMARY

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For supporting government internet sites, please visit
http://www.co.door.wi.gov/
http://map.co.door.wi.us/

This Land Information Modernization Plan was originally prepared in 1992 and was updated in 1998 and 2003, and then again in January 2005. This 2010 Plan update was completed using "Uniform Instructions for Preparing County Land Information Plans" dated December 2009. A link to the most current Plan adopted by the County will be placed to the internet at http://map.co.door.wi.us/gis-lio/home.htm

Door County has devoted considerable effort to develop an integrated GIS for providing more accurate and reliable information to support timely, well-informed decision making. It has been an ongoing mission that County departments become more efficient with business processes and ability to serve the public as a result of implementing a GIS and modernizing County land records. For the County to realize this goal, it is understood that land records and the County GIS be easily accessible for County staff and the general public.

II. LAND INFORMATION MODERNIZATION and INTEGRATION PLAN

In an evolving Door County GIS, County initiatives may be reviewed to investigate what is working and what is not, and to find where priorities may be changing. Areas to be reviewed include the County's GIS data needs, system applications, supportive training and educational initiatives, access to information by users and the public, and prioritizing potential land records modernization projects for future budget cycles.

A. Goals and Objectives

Door County has a variety of GIS users that have a number of similar needs, as well as a handful of those with very specialized needs. A priority will be given to goals that will benefit the majority of users or satisfy the basic needs of the greater community. Types of users that regularly use County GIS include county staff, the general public, land-based professionals, and various businesses, including County vendors. All these groups have some things in common in that they desire access to GIS information and need a point of contact to ask questions, make requests, and provide feedback. All contacts should be done in a respectful, professional manner. The County LIO will be receptive to inquiries, be willing to listen and responsive to questions.

Common goals of the County that could benefit all the different user-types would be to provide the GIS information in a user-friendly, well-documented, up-to-date manner, and in county-wide data sets which follow easily-identifiable standards and practices. Generally, Door County is doing fairly well in fulfilling these needs, but there are always areas for improvement.

The County's recent update to the Door County Web Map was designed with the novice user in mind, as well as the experienced, providing intuitive layout for users to get the desired information. For GIS data requests, the County provides an informative data set sheet on the internet, and provides GIS data in widely-accepted standard file formats. Depending on file sizes, data can be sent as an e-mail attachment, or to a requestor's ftp site, or copied to CD or DVD(s) and mailed. Requests are generally very timely, often done the same day as the request. Designating a back-up to the GIS/LIO Coordinator on data requests may be appropriate for business days for which he may be out-of-office or unavailable.

Door County has numerous documented GIS datasets, and many processes and procedures identified for updating those records. Although key data sets have metadata files associated with them, this is not the case for all shapefiles. A more concerted effort should take place to develop metadata and ensure that these files are also updated regularly. In the past, other projects and tasks have taken precedent. Experienced staff has often been able to answer the few questions regarding data details. Although this has not yet been a problem, more documentation regarding data, maintenance processes and user procedures will ensure integrity and stability in the GIS. Staff will need to devote time on a regularly basis (possibly monthly) and then have periodic checks (possibly quarterly) for progress.

Door County regularly maintains a number of the GIS data sets in an effort to keep the information current and most useful. Tax Parcels are updated on a monthly basis and posted to the County Web Map. Road centerlines, addressing, and zoning are continuously maintained with any changes to the road network or County Zoning posted

to the Web Map regularly. Many of the other data sets (geography of lakes, islands, streams, etc.; wards, annexations, and municipal boundaries; parks and recreational trails; emergency response areas) are updated as verified changes are submitted; whereas other data sets (including contours and lidar elevation data; soils; flood hazards; and wetlands) are not updated due to the amount of field work that would be required, or no regular reporting mechanism for changes, or because of fiscal and time restraints. Aerial photography has been acquired more frequently, from added viewpoints, and greater resolutions as technology advances reduce costs and expand applications. In developing or acquiring GIS data sets, Door County has attempted to provide complete, uniform data sets and services county-wide. Overall, Door County has a number of key data sets, that are significant for a variety of applications, and maintains the currency of those records in the GIS to provide a beneficial service in a fiscally responsible manner.

B. Progress Report of Ongoing Activities

Door County has been providing digital data on CD and DVD for requests of larger data sets, often including aerial photography, or LIDAR elevations or contours. The DVD holds almost seven times the amount of data as a CD, and can be very useful when dealing with requests for orthophotography, digital terrain model, and contour data on a county-wide basis. Digital data can be purchased at the existing copy rate fee of $50 per hour, or equivalent to about $52 per CD and $102 per DVD. A GIS data sheet (http://map.co.door.wi.us/GIS_data_sheet.htm) that lists Door County GIS data, its associated costs, and County contact information can be accessed on the internet. Also, a signed distribution agreement (http://map.co.door.wi.us/distribution_agreement.htm) is placed on file for each digital data request. Having this distribution agreement form accessible on the internet allows the purchaser to print it out and send in the signed agreement with payment. The distribution agreement prohibits the purchaser from re-distributing the County digital data in its digital form. The County GIS data is physically located on computer servers on the County campus network. GIS data is referenced in State Plane Coordinates Central Zone – NAD (83-91), so users can view and compare different data sets in relationship to one another. Data sets with documentation have been placed together in folders on the GIS server to promote its access, and to provide supporting information to data requestors.

Door County GIS/LIO provides assistance to the Parks Department in a number of ways. The snowmobile trails have been mapped and updated regularly for annual changes. A County snowmobile website (http://map.co.door.wi.us/parks/Snowmobile.htm) has been developed for Parks staff to notify the public of trail status and conditions. Snowmobile Zones were expanded from three to four for designating trail openings/closures. Each Zone map is posted on the website. A County Parks brochure with map was also developed. This information is also available on the Parks Department website (http://map.co.door.wi.us/parks). The Parks Department website has a number of useful links dealing with public Parks and recreation specific to Door County. Changes to the Door County Parks Department site (as well as to the Soil & Water Conservation Dept., Planning & Zoning Dept., and Land Information Office sites) are maintained by the Door County GIS/LIO Coordinator.

In recent years, Door County implemented different options for internet access to Register of Deeds recorded documents. In 2006, a handful of businesses established $300 monthly subscriptions with the County for unlimited user access to images via an internet connection. In 2007, the County began allowing businesses to make escrow

deposits with the Register of Deeds office to view the images through a secured internet connection. The imaging system tracks displayed images and subtracts the amount from user's escrow deposits. The normal payment of $2 for first page of document, plus $1 for each additional page applies. If an escrow account goes to zero, the user no longer has access to view documents. Account users can make additional escrow deposits directly to the Register of Deeds office. Users can also order documents on-line, and pay by credit card through a third party payment service. The Register of Deeds office reviews e-mail orders from the third party vendor and e-mails the document to the requestor's e-mail account if the order is accepted. The third party payment service verifies credit cards, collects a fee, and makes the normal payment to the County Register of Deeds.

Beginning in 2008, Real Property Lister Holly Hansen began attending State sponsored meetings to gain information and participate in discussions regarding uniform assessing, reduction of assessing units, and potential impact different options may have on county and local governments. It appears that if State changes are implemented with regards to assessing, that there will be an emphasis on accessing and sharing data through the use of technology, as larger assessing districts efficiently manage more records. Door County will try to stay abreast of potential institutional changes, as it appears to be a state priority to integrate assessment data with existing tax parcel data at the County.

In 2007, Hydrology mapping was acquired in a digital format from the Wisconsin Geological and Natural History Survey (WGNHS). Door County provided the WGNHS with its LIDAR elevation data, from which large-scaled sub-watershed and closed depression areas were derived and delivered to the Door County Soil and Water Conservation Department (SWCD) in 2009. Also in 2009, SWCD acquired a Toughbook with ArcPad software, which has become a very valuable in-field tool. Custom templates were developed for collecting and geo-referencing information to support non-metallic mine inventory, nutrient management compliance, and monitoring extents of invasive species. In-field technology, including additional toughbooks and GPS cameras, will be purchased to save office time for having to process information and records. A robotic total station, purchased with LIO funds in 2008, allows topographic field surveys to be conducted by just one SWCD staff person. Hand-held GPS units and gardening tools can be checked out from the SWCD department for identifying the location of invasive species and eradicating plants.

Door County acquired aerial photography in the spring of years 2007 and 2009. In both years, the imagery was acquired by Pictometry International and included ortho (vertical view) and oblique (angled views of about 45-degrees) photos. In each project year, the City of Sturgeon Bay, the northern three Villages, and the area including the community of Fish Creek, in the Town of Gibraltar, participated in the option to get more detailed (higher resolution) imagery of their areas of interest. The project also included the software Electronic Field Study for viewing the imagery and obtaining information. Training was also provided to users to familiarize them to the software and imagery. In the 2009 project, Door County and its municipalities also included the option to acquire building outlines. Building Outlines were acquired for the entire County, and the cost of just over $12,000 was shared amongst the County and the municipalities, and was based on parcel counts. The County believed that the building outlines could be useful for different applications, including public safety, parcel administration and assessing, and planning. Building outlines has become one resource in identifying impervious surfaces.

In 2009, the Door County IS Department implemented a Citrix server system, where

software applications could be deployed from a central server(s) and accessed by users remotely through a secure internet browser connection. The Door County Citrix system was very instrumental in deploying Pictometry's Electronic Field Study software and imagery. Citrix not only streamlined the deployment internally to County staff, but saved trips and installs to the four municipal locations for external network users. Citrix has required greater IS staff time support to initially deploy GIS software applications, but has freed considerable time of the GIS/LIO Coordinator from having to perform installs. Other GIS applications being served through Citrix include ArcView 3x and ArcGIS 9.3. Aloha software for mapping chemical spill hazards was also tested.

The free public Land Records Search site has evolved from the first remote service the County setup for the real estate community almost 20 years ago. In fall 2007, the current service was converted from IBM Host Access Transformation Services (HATS) to RPG/CGI format, and also used on Register of Deeds programs (escrow service discussed above). The County transitioned from older access methods (HOD, HATS) and provided Land Records web access in one common format (RPG-CGI). The Land Records Search allows users to view taxes, assessment values, and other information, and can even provide tax parcel bill images for last four years. Land Records has information tabs for Treasure Tax Detail, Real Property Parcel, Owners, Legal, Districts, Current Assessment, Register of Deeds Volume-Page, Municipality Directory, and Sanitarian Permits. The Sanitarian Permit tab was added in 2008, to both the free and subscription Land Records parcel information sites, to show sanitary permit information, system description, and system evaluation/inspection records for over 12,000 parcels that have a Private Onsite Waste Treatment System (POWTS). Also in 2008, another RPG-CGI web application was created that enables septic pumpers to enter their monthly Holding Tank pumping detail report information through a web access, instead of submitting paper reports. Thus far, there are three pumping services that have chosen to use this option and have entered approximately 20,000 individual pumping transactions into the i5-based Sanitarian Information system through this web interface. This has saved numerous administrative hours in the Sanitarian office by not having to re-enter records (and removed opportunity of introducing typo errors).

In 2008, a confined space camera was purchased with LIO funds for Sanitarian staff to inspect existing systems. The camera can be extremely helpful in providing visual evidence to the property owner of a failing sanitary and the acceptance of a replacement system. In 2009, Sanitarian staff desired to access aspects of the POWTS records from a map interface; and can now do so by using either Pictometry's Electronic Field Study (EFS) or ESRI's ArcView software. The Sanitarian POWTS records were converted to a GIS format as a point shapefile to a generalized location based on 2009 tax parcels. It is now planned that the point shapefile records, indexed by POWTS system ID, will be updated annually with new records and more current tabular information.

For over seven years, Door County has had a web-mapping site which was updated in November 2009. The update was actually a transition to a different technical approach. The old site was developed and served with a customized ESRI ArcIMS interface, whereas the new service utilizes open-source software (freeware) MapServer and GeoMoose. Door County contracted with Houston Engineering, Inc. of Minnesota to provide professional services that included programming and the on-site install and training. The Door County GIS/LIO Coordinator has provided Web-Map training to the Door County Association of Realtors and county staff, respectively. The URL for accessing the County's Land Information Portal (http://map.co.door.wi.us) contains links

to the “Land Records Search” and “Web Map”. The Web Map upgrade also allowed for new links where users can link directly to a Parcel Record from one system to the other (Land Records Search to Web Map, and vice-versa). For the most part, the new Web Map integrated with Land Records has received very good reviews from County staff and the general public in its functionality and ease-of-use. Public awareness of the County GIS and land records has been enhanced by these high-quality services. These tools have proven to be critical in getting GIS and land records into the hands of the average citizen and have grown in importance for a number of community businesses.

Door County Greenprint (http://tplgis.org/DoorCounty_Greenprint/) is an interactive web mapping site that was developed by a non-profit organization (The Trust for Public Land) under the direction of the Planning and Soil & Water Conservation Departments. The maps, reports, and interactive tools on the website enable users to identify and explore locations of highest concern for natural resource protection and land use planning. The site became active in January 2010 and different training sessions have been presented to local elected officials, county staff, professional organizations, and general citizens. This vendor-hosted website will be supported with LIO funding and regular data updates.

In 2008, mapping was done to support the new Wind Energy Facility ordinance. Potential areas for locating facilities were identified by setback requirements of proposed structures, based on the County Zoning district of tax parcels. Door County adopted a new comprehensive plan in October 2009, following a lengthy process of gathering information and inviting input. GIS was used extensively to support the Comprehensive Plan, as various sources provided several data sets, including geography, roads, soils, surface water, floodplain, watersheds, wetlands, woodlands, and preserved lands. The comprehensive planning page (http://map.co.door.wi.us/planning/comp_planning.htm) includes links to the document, support materials, and numerous maps.

C. New Initiatives

The Information Systems Committee, consisting of five County Board Supervisors, currently provides oversight to the LIO projects and expenditures, as well as to three County Departments – Real Property Listing, Register of Deeds Office, and Information Systems (IS). The LIO responsibilities reside with one full-time position, the GIS/LIO Coordinator. The GIS/LIO Coordinator coordinates GIS development, administers the LIO, and provides technical support to the Departments utilizing GIS technology. The Door County GIS/LIO is a member of the IS Department, but is physically located within the Planning Department. This arrangement has allowed the GIS/LIO Coordinator to be easily accessible to the public and other county staff, and yet maintain regular contact with IS staff for staying abreast of technology advancements and assisting in the annual technology outlay budgeting process. Due to new legislation that ties County program administration with eligibility for State funded grants, Door County created a Land Information Council in June 2010 (see passed resolution attached). The Council will review priorities, needs, and policies of, and advise the County Information Systems Committee on matters affecting the land information office.

Door County staff has identified several areas of data development and has set a time line for their completion. The identified custodian department is responsible for advancing the project and requesting the needed technical expertise and/or funding.
New **Countywide** GIS Data acquisition, custodian, and time lines are as follows:

1.) Impervious Surfaces – Planning Department (2011)
2.) Karst Features – Soil & Water Conservation Department (2014)
3.) Glacial Geology – Soil & Water Conservation Department (2014)

Maintenance of data, custodian responsible, and update frequency are as follows:

1.) Tax Parcels – Real Property Listing Department (monthly)
2.) Adjust Tax Parcels to newer Control – Real Property Listing Dept. (as needed)
3.) Tax Parcel Dimensions to Web Map – RPL & LIO (semi-annually)
4.) Tax Parcel Easements – RPL & LIO (semi-annually)
5.) Road Network– Planning Department (as needed)
6.) Addresses – Planning Department (as needed)
7.) County Zoning – Planning Department (as amended)
8.) Current Land use (Baseline Year 2007) – Planning Department (as reported)
9.) Future Land use 2030 – Planning Department (as amended)
10.) Preserved Lands – Planning Department (annually)
11.) Cell Towers – Planning Department (as needed)
12.) Digital Flood Insurance Rate Maps (FIRM), and referred to as FEMA Flood Hazards on web map – Planning Department (as amended).
Note that Letter of Map Amendment (LOMA), the process to remove structures from hazard area based on higher elevations submitted by a professional surveyor or engineer, are placed in parcel case files with no changes to FIRM.
13.) Tracking of Zoning Permits – Planning (as applications are received)
14.) Agricultural Standards & Prohibitions Compliant – SWCD (as reported)
15.) Mine Inventory – SWCD (annually beg. 2007)
16.) Digital Orthophotography – LIO Department (acquire imagery every 1 to 2 years)
17.) Civil Management Districts – LIO Department (annually or as needed)
18.) County Snowmobile Trails – Parks Department (annually)
19.) Private Sanitary Systems – Sanitarian Department (annually or as requested)
20.) Public Sanitary Service Areas – Sanitarian Department (as reported)

System Applications, custodian, and time line for acquiring are as follows:

1.) Internet access of PLSS Section Corners (GPS / Survey) Control, Dossier (tie) sheets of US Public Land Survey Monument Records, and Plat of Surveys – Real Property Listing (2011)
2.) Emergency Dispatch Mapping upgrade – Sheriff's (2011)

System Maintenance of computer infrastructure serving Land Records may include:

1.) Computer Hardware
    a.) Servers, Workstations, or other processing devices
    b.) Monitors, Projectors, or other display devices
    c.) Scanners, Digital Cameras, or other input devices
    d.) Printers, Plotters, Copiers, or other output devices
    e.) Mobile devices and GPS units for data collection or remote access
    f.) Hubs, Routers, Switches, or other Networking Devices
2.) GIS/Mapping Computer Software – purchases, licensing, or maintenance fees (for ArcView, ArcGIS, ArcPad, ArcServer, AutoCAD, AutoCAD Civil 3D, Pictometry - Electronic Field Study, etc.)
3.) Equipment and techniques to preserve land records, including scanning and/or storing in protective sleeves and cabinets.
4.) Maintain & enhance GIS access through the internet.
5.) Conversion of data to other formats.

The County plans to continue to utilize document imaging and other measures to ensure Land Records are preserved in good condition. In 2002, document imaging was first implemented in Door County's Register of Deeds office, and the Real Property Listing Office and Sanitarian Department followed. Departments already using imaging technology may include other document types and back load older volumes of data. The Register of Deeds office imaged Plats earlier this year to allow on-line access, and plans to begin Condos later in 2010. Register of Deeds also plans to research whether back loading older volumes of documents would be a worthwhile project. Evaluation of the project will depend largely on the funding source and estimated time savings by having in digital format. Due to pending State legislation that would provide funding to redact (remove from view) social security numbers on recorded documents displayed on the internet system, the Register of Deeds office has begun researching various approaches for implementing a solution, and anticipates to begin redacting later in 2010.

Since the County has made the conscious decision to use software from the major manufacturers in the industry, many GIS software solutions can be fully integrated with existing data and software (ESRI's ArcView 3.3, ArcGIS 9x; AutoDesk's AutoCAD). However, other new software products and solutions will continually be reviewed and evaluated for ease of use and performance. Data is readily shared in industry standards for the various types of GIS related-data – ESRI shapefiles, and tif or MrSID file extensions for geo-referenced images. All County data is geo-referenced to Wisconsin State Plane Coordinates – Central Zone NAD83 and a defined projection file is included with digital data requests.

Door County has been and will continue to be committed to providing the necessary GIS training for staff. For work to get done efficiently, staff will need to be aware of technology changes and know how to use the chosen tools effectively. Door County will encourage County staff to attend WLIA sponsored seminars that are relevant to employees' areas of business and expertise.

Departments and staff should promote the County GIS and encourage clients and constituents to access the County internet sites and other resources that become available to the general public. In doing so, the amount of staff time required to assist public inquiries should be reduced, as public users become acquainted with the County GIS resources and are able to serve themselves to records and information. Door County maintains its Web-Map on a regular basis, updating data files, providing inquiry support, and acting on suggestions to improve this service. A Door County GIS/LIO Home page (http://map.co.door.wi.us/gis-lio/home.htm) also gives various information, resources, and links, including a land information portal link (http://map.co.door.wi.us/).

Door County plans to review the GIS program goals and progress to see how closely they match the dedicated resources. Resources can include hardware, software, training, and services through a variety of sources. Generally, hardware and software requests have been made through the County's IS Department, and when justifiable, funded through the general levy. The County has expanded its network resources to serve satellite offices as well. County satellite offices, including Airport, Parks, and Emergency Services have the same access to E-mail and Internet. The County technology infrastructure investments have been instrumental in supporting GIS efforts, and many other disciplines, without having to fund technology advancements solely with County LIO funds. The Door County

GIS has benefited greatly by piggy-backing on the technology, network, and support provided through the IS Department.

In the past, resources for GIS training have been shared through County department budgets and the County LIO. The County LIO funds have been utilized primarily for acquiring services for data development, GIS technology, or application consulting. However, as Door County's GIS has become more developed, and greater restraints have been placed on holding down the tax levy, more computer and outlay expenses that benefit or improve land records departmental business have been funded through the Land Information Office.

Door County has continued to provide more and more information via the internet. The County has established a more integrated land records/web map service and has received numerous compliments. Door County plans to explore providing other system records over the internet, to allow users to access document images, to submit actual business forms, and to potentially complete on-line financial transactions with the County.

Door County E-9-1-1 dispatchers can utilize automated mapping to identify the location of emergency calls. For Door County to be wireless 9-1-1 Phase 2 compliant, the mapping system must accept the X/Y coordinate of the caller. Dispatchers depend on the accuracy of the map data provided on the 9-1-1 mapping software system (Spillman mapping modules) to locate Wireless 9-1-1 calls. Technical addressing/mapping staff in the Planning Department maintain the road/street centerline data. The Door County GIS/LIO Coordinator performs data checks, converts data to Lat-Long, and creates output files that are loaded to the Spillman Public Safety software. It is anticipated that the County will research upgrades or other software solutions for dispatch mapping to better serve Sheriffs dispatch needs and/or improve the maintenance process. A goal of an upgrade would be to include a 9-1-1 interface that would auto-locate wireless calls to a dispatch map; and another objective would be to eliminate the need to export "out" files of GIS data to support a separate 9-1-1 dispatch mapping system. A factor that the County will not have control over, is the device of the caller. The use of older cell phone devices, without GPS technology, will require dispatch operators to continue to prompt callers for location information.

Areas that continue to require GIS staff support include maintenance of existing data on the GIS system, improving system access and performance, and providing timely technical support to users. As project scopes go beyond the time or expertise of County staff, outside services will be sought to meet those specialized needs. In past years, sufficient funding through grants and County monies has allowed the County LIO to proceed with planned projects.

Door County continues to be in sound financial shape with regard to its GIS and land information program, due in large part to County Board support, receiving timely grants, partnering on costlier endeavors, and successful planning and management of past projects. Door County attempts to act progressively on serving its GIS needs, but is also financially conservative on pursuing worthy projects based on the benefits of proven technology. The County has not used LIO dollars to fund employee salaries or wages, and this practice should continue. The County has been able to make significant progress, by implementing new technology or acquiring large data sets, by obtaining the needed expertise for many of the specialized projects. Specialized projects can vary significantly and the expertise needed today may be entirely different from what is most

useful for a project's success tomorrow. Flexible funding has allowed Door County to support worthy projects by obtaining the needed resources and related expertise. Please see the 2010 LIO financial budget and most recent LIO accounts report as attached appendices.

D. Custodial Responsibilities

Several Door County departments are responsible for maintaining land information and data. Although a source of custodial authority may not exist for all data, it should be understood that the maintenance of records is necessary for the County departments to perform their functions effectively. The following is a list of several County Departments and the custodial data for which each is responsible:

Emergency Management Services (EMS)

- Inventories hazardous materials locations
- Develops emergency response plans
- Identifies potential public resource locations for emergency shelter.
- Identify special needs facilities (hospitals, nursing homes, CBRF's, etc.)

Land Information Office (LIO)

- Maintains digital orthophotography files
- Maintains GIS shapefiles not maintained by other Departments

Parks

- Maintains and promotes use of Parks and recreational trails.
- Administers snowmobile program and trails.

Planning Department

- Maintains records of
  - Zoning information, floodplain, navigable streams, and ponds
  - Land use and wetlands
  - Addresses
  - Roads
  - Cell towers
  - Submitted Plats and Certified Survey Maps (CSM's) for approval
  - Letter of Map Amendment (LOMA) to Flood Insurance Study (FIS)
- Provides Comprehensive Planning and associated maps
- Administers & Updates Farmland Preservation Plan and associated maps

Real Property Listing

- Maintains records of
  - Description, ownership, & assessed values of tax parcels (per State Stat. 70.09)
  - Parcel maps
  - School, sanitary, and special districts for tax assessment purposes
  - Tax rates and special assessments
  - Information and index on PLSS corners and Plat of Surveys
  - GPS monuments of High Accuracy Reference Network (HARN)

Register of Deeds

- Records deeds, mortgages, Certified Survey Maps (CSM's), plats, and other records.
- Maintains a tract index of real property. (Per State Statute 59.21)

Sanitarian Department

- Maintains private sanitary system site plans and records
- Maintains soil reports for new or replacement systems
- Maintains pumping reports
- Maintains record of animal bite incidents
- Coordinates mapping of areas served by public sewer

Soil & Water Conservation Department

- Maintains records of
  - Soil
  - Mining
  - Abandon wells
  - Agricultural field boundaries
  - Geologic and watershed information
- Maintains Program records for
  - Conservation Reserve Enhancement Program (CREP)
  - Farmland Preservation
  - Invasive Species
  - Nutrient Management
  - Priority Watershed
  - Water Quality and Beach Studies
- Maintains geographic records of compliance for
  - Agriculture Performance Standards
  - Animal Waste Storage Ordinance

Sheriff's

- Maintains vehicular accident records within the County on a quarterly basis

It is anticipated that responsibilities will increase for above-mentioned County Departments as data is added to the County GIS and user needs increase. Information Systems (IS) Department administers the web-based Land Records Search system and the optical imaging system; and manages servers, networks, security, and data backups. A high-speed network infrastructure, virtual servers, and numerous software applications that can be accessed via a secure browser connection, make it much easier to expand GIS and other services. The LIO Coordinator also assists with GIS server administration and data permissions, as well as providing technical assistance to the departments as needed. Equipping departments with technological resources to process records and information more effectively may allow for the expansion of record maintenance, information processing, and/or services without increasing staff.

E. Foundational Elements and State-wide Standards

1. Geographic Reference Frameworks

In 1997, Door County completed a High Accuracy Reference Network (HARN) that included 22 monuments, with State Plane Coordinates obtained through global positioning system (GPS) technology. The County Real Property Listing Office is responsible for station maintenance and disseminating the information to the surveying community. There has been no independent testing of the network as to whether it meets the National Standard for Spatial Data Accuracy.

Door County has completed approximately 80 percent remonumentation of Public Land Survey System (PLSS) section and quarter section corners. Through the County's base and parcel mapping efforts, section corners have an associated State Plane coordinate value. Many section corners had coordinate values determined through GPS technology, triangulation methods, or conventional surveying. The County continues to remonument and maintain section corners annually through a contract with a local surveying firm, Baudhuin Incorporated.

In 2006, the County completed a multiple-year project to obtain coordinates on PLSS section corners, primarily through GPS technology, conducted by Baudhuin Incorporated Surveying, one municipality at a time. All section corners had not been accurately surveyed prior to parcel mapping. Adjustments reflect sections with conflicting or very little reference information that required additional control information to support parcel mapping determinations with a greater level of accuracy and confidence.

Door County's PLSS database information includes many aspects of the WLIA 2000-7 standards but does not necessarily have the same terminology or naming convention. PLSS data coordinates for section corners and quarter corners should be inventoried and reviewed to ensure information is complete and documented. The GIS Coordinator should assist the Real Property Listing Office with this review and inventory, and incorporate the information in a system that allows surveyors and others easy access. PLSS monument and coordinate Information should be made available on the internet.

2. Orthoimagery and Georeferenced Image Base Data

Door County's photogrammetric base map was originally created in 1994 and included hydrology surface features and road centerlines, and numerous control points to support a parcel mapping frame-work. From that original photogrammetric base map project, hydrology and road centerlines have been maintained regularly, as needed, and the control frame-work expanded.

Door County has now acquired a number of digital imagery sets:

- 1992 orthos, back & white, 1 meter pixel resolution by National Aerial Photography Program
- 2002 orthos, color, 1 foot pixel resolution by US Army Corp of Engineers vendor
- 2005 orthos, color, 1 meter pixel distance - National Agriculture Imagery Program
- 2006 orhtos, color, 2 meter pixel distance - National Agriculture Imagery Program
- 2007 othos, color, 1 foot pixel resolution; oblique imagery with software viewer by County selected vendor (Pictometry International Inc.)
- 2008 orhtos, color, 1 meter pixel distance - National Agriculture Imagery Program
- 2009 othos, color, 1 foot pixel resolution; oblique imagery with software viewer by County selected vendor (Pictometry International Inc.)

Oblique imagery acquired in 2007 and 2009 provides angled perspectives from different directions. This can be useful for buildings and taller structures as the user can view facades and get a perspective of heights. Applications for this imagery and software tools have included public safety, assessment, and code enforcement. Representative staff of departments regularly using the imagery should determine the overall County needs with regards to product details and frequency.

Besides the digital imagery listed above, Door County has historical aerial imagery in hard-copy format. The Door County Planning Department has aerial photos on file from years 1954, 1967, 1981, and 1994 and the Soil & Water Conservation Department has years 1938, 1960, 1968, and 1994. There are currently no plans to convert any of these historical years to digital format and project to County's GIS coordinate system, as these older sets are not used enough to justify such a project.

Since 1997, Door County has had the US topographic maps in digital raster graphics format in the County's coordinate system. This information has been used less and less as the County has acquired more accurate elevation data and maintained a more current base map. Door County has not used or acquired satellite imagery; as the far majority of users' applications is concerned with identifying large-scale features and greater detail.

3. Elevation Data Products and Topographic Base Data

In 2002, Door County acquired contours and digital terrain model through a joint project with the US Army Corp of Engineers. The selected vendor used LIDAR technology to collect the elevation points. Contour data was converted to AutoCAD format as well so that data requests could have the option in receiving the contour tiles in ESRI shapefile or AutoCAD dwg format. The LIDAR points and contours have been used by a number of local surveyors who have found the data to be quite accurate and useful. The 2-foot contour layer can be displayed on the Door County Web Map as well. There are no current plans to do a second acquisition of LIDAR points.

The Wisconsin Geological and Natural History Survey requested the LIDAR – derived elevation points in 2006 for a study. As part of the agreement, Door County then received a digital elevation model (DEM) in 2007. The DEM was created in an ESRI grid format to a 10-foot cell size and in the County's coordinates (WI State Plane Central - NAD83 feet).

4. Parcel Mapping

Door County has maintained county-wide digital parcel mapping since 1998. Parcels have been mapped and maintained using descriptions from deeds and certified survey maps (CSM). Parcel mapping is done using coordinate geometry (CoGo) and fitted to the PLSS framework. In 2006, Door County completed a multi-year project of adjusting parcels to newly acquired GPS coordinates on PLSS section corners. The parcel mapping is useful for a number of applications as the County attempts to accurately reflect the parcel descriptions. Mapping is in State Plane Coordinates – Central Zone NAD 83(91). All parcels carry a unique parcel ID and geometry is maintained monthly in a number of formats (tiled AutoCAD dwg files, Geodatabase, and ESRI shapefile).

Door County Parcel data reflects some aspects of the Cadastral Data Content Standard for the National Spatial Data Infrastructure, but does not include all listed attributes. Door County Parcel attributes are tracked by a custom tax parcel listing system on an IBM i5 computer. Parcel attributes that are tracked are used to conduct County business or provide a service more efficiently. Door County chooses to track some data in separate shapefiles, and has no need to maintain other types of information.

Door County follows the WLIA's Parcel Geo-locator Standard by including this as a parcel attribute. A PLSS shapefile down to the sub-section level has also been created to allow

a user to quickly identify the location of a point or tax parcel. Door County parcel mapping also follows the WLIA's Digital Parcel Mapping Standard.

5. Parcel Administration and Assessment Information

The Door County property tax listing database can be linked to the parcel mapping through a common parcel ID field. Door County has implemented a regular parcel maintenance process in Real Property Listing Department that keeps the topological referencing up-to-date. Mapped parcels can be queried through other associated fields that are downloaded from the County's tax listing database on the IBM i5 computer. As part of a monthly maintenance process, Real Property Listing Department downloads attributes and joins to the GIS parcel map via the unique Parcel Identifier Number (PIN) tag. Parcel attributes include the Parcel ID number, assessment data, taxes, property address, owner name and mailing address, recorded document reference, and tax exempt status. County staff can actually link to and view the recorded document on the County's document imaging system. Updates to the Parcel layer on the GIS system is generally reflected within 1 to 2 months of a document being recorded in the Register of Deeds office. In 2005, the County received vendor assistance to update the parcel mapping maintenance process, necessary due to compatibility issues of older mapping software with newer computer operating systems. Updates to the parcel polygons and printed maps are still done by the County Real Property Lister using AutoCAD software with custom programming routines. Converting the parcel mapping to an updated GIS format is done monthly using custom tools developed in ESRI ArcGIS 9x software.

6. Street/Road Centerlines, Address Ranges and Address Points

The County Planning Department maintains street centerline and point address databases. The road centerline attributes include the name and address range. These files are maintained on the County GIS and uploaded to the Spillman Public Safety software for Emergency dispatch to access. The County's GIS road network is the basis for updating the County's Master Street Address Guide (MSAG) to support emergency response. Door County is unique in that the transportation network would include boat ferry connections, but has no railroad lines. The street centerline is a critical base mapping layer used in many maps. Road symbology is often displayed differently using the values of functional class. Door County maintains road right-of-way information only in AutoCAD format in conjunction with parcel mapping.

7. Hydrography, Hydrology, and Wetlands Mapping

Hydrography features in the Door County GIS were established from the 1994 digital base map project, and have had additions, deletions, and edits since, as needed. These hydrography features may be referenced to identify compliance to the County Ag Ordinance and determine enforcement of County Zoning due to shoreland proximity. Surface water features may be reviewed and inventoried by County staff with years of County fieldwork experience. Accurate hydrography features is a concern for modeling and reporting tools used in the County's Greenprint project. The limited hydrology information in the County has generally been gathered for relatively large-scaled areas as part of specific studies required and/or supported by the Soil & Water Conservation or Planning Departments. Extensive studies were conducted regarding storm water contamination to beaches and an outbreak of a water-born viral illness associated with the septic system of the Log Den Restaurant, located within a closed depression (links to

each study can be found on the SWCD website - http://map.co.door.wi.us/swcd/). Due to greater risks that exist with fractured bedrock and shallow soils, a concern for protecting water quality, safety of citizens and property values has heightened the need to understand flow of surface and groundwater.

Door County purchased WI-DNR digital wetland files and converted them to state plane coordinates to allow wetland information to be integrated with other data on the County GIS. Door County has found a number of discrepancies with the positional wetland boundary shapes when compared to some of the County's more accurate data sets (orthophotography, tax parcels, roads, and hydrography). Door County is interested in acquiring more accurate wetland mapping if it becomes available. DNR Wetland mapping is available via the internet from the County Web Map. The SWCD contracted with a private vendor to inventory restored wetlands and aquatic areas of the County and received data results in shapefile format in 2007.

8. Soils Mapping, Land Cover and other Natural Resource Data

Door County contracted with the Natural Resources Conservation Service (NRCS) to acquire digital soils mapping for all of the County, and received delivery in Spring 1999. The soils mapping was converted to state plane coordinates, re-tiled by municipality, and has had an associated table created to indicate suitability for various uses. Soil attenuation has also been inventoried on the Door County soils as another attribute useful for indicating land use suitability. Soils maps, including soil reports by tax parcel, are available via the internet from the County Web Map.

Door County has a number of geologic features that were inventoried many years ago, converted to a digital format by the WI – DNR, and provided back to the County through the Soil & Water Conservation Department (SWCD). Geologic features include caves, crevices, fractures, sinkholes, springs, and swallets. Both soils and geologic features are important GIS data sets in nutrient management planning by SWCD. Historic orchards and mixing sites (of lead arsenic pesticide for spraying orchards from the 1930's through the 1970's) were mapped for Northern Door County to identify areas of potential soil contamination. Door County also has 2001 NOAA land cover that was received from Bay Lake Regional Planning Commission. In 2009, planning staff mapped woodlands.

The County GIS has been a useful tool for regulating non-metallic mining activities and will be used to enforce reclamation of past sites. Different sets of aerial photography, property boundaries, elevation data, and other visible GIS layers used in conjunction with one another can provide an accurate picture of relevant conditions over time.

9. Land Use Mapping

The Door County Planning Department has a 1992 land use inventory on 1:24,000 paper maps that was converted to a digital format by the Planning Department's Mapping Technician. The 1992 digital inventory was used as a reference to create the 2007 land use inventory, but done to different category assignments. The Door County Planning Department staff did field surveys for the 2007 inventory, and also made use of previous inventories by Bay-Lake Regional Planning Commission, and municipalities that did their own inventories or contracted with private firms. These 2007 land use inventory maps are now the base for ongoing, dynamic land use maps. Maps are maintained for each

municipality by the Door County Planning Department and will remain current as information is acquired or provided regarding newly established or converted land uses.

As part of the comprehensive planning process in 2009, the Door County Planning Department developed future 2030 Land Use maps and posted them to the internet (http://map.co.door.wi.us/planning/comp_planning.htm). Future land use mapping will now be an on-going, as-needed basis, where any updates will be as amendments to the 2030 Comprehensive Plan.

10. Zoning Mapping

Door County utilized the parcel mapping and Wisconsin Department of Natural Resources (WI-DNR) wetland designations as a basis for building zoning maps. Several years ago, Zoning maps were converted from paper-base to a GIS shapefile format for the 14 towns. Those areas of County Zoning jurisdiction, (towns that have adopted County Zoning and lands within a close proximity to navigable streams, ponds, or shoreline, or areas located within a floodplain are subject to county zoning per state statute), have their County Zoning designation as a viewable layer on the County Web Map. In 2009, the Town of Forestville adopted County Zoning which changed the area of jurisdiction in that town from only shoreland areas to the entire Town. Map changes to the County Zoning are maintained regularly as needed. Having the County Zoning in a GIS format has proven to be a very useful tool for conveying information in a timely manner. One example is at the end of 2008, the Door County GIS assisted the process for the Town of Liberty Grove's proposed changes to their County Zoning and was used to create a list of affected land owners for notification. Developing various zoning maps with the County GIS and posting them to the internet was a valuable tool for communicating the proposal and keeping all aware. The adopted change was then reflected within the County Zoning map in a timely manner.

At the end of 2008, Flood Insurance Rate Maps (FIRM) was delivered to Door County in a digital format by a vendor of Federal Emergency Management Agency, a branch of the U.S. Department of Homeland Security. Door County provided LIDAR elevation data, as well as other requested GIS layers in support of the project. The 100-year flood hazard boundary was placed as a layer on the Door County Web Map. The Door County Floodplain Zoning Ordinance, which may be accessed via a link off the Planning Department page (http://map.co.door.wi.us/planning/), was adopted in tandem with the new digital FIRM or floodplain mapping. There were considerable changes with the floodplain mapping that initially resulted in a number of inquiries by local surveyors, property owners, and financial institutions that were holding property liens. Having the information on the Door County Web Map helped with responding to inquiries as County staff and the general public could both refer to the easily accessible maps.

11. Election and Administrative Boundary System

Door County municipal wards and civil division boundaries, as well as school and county board supervisory districts, have been mapped and are accessible through the County's Web Map site. Population counts from the US Census data is the basis for creating wards every ten years. As annexations occur, wards and municipalities are updated to reflect the changes. Parcel maps with attributes from the tax listing database have been a basis or source for mapping school districts. It was discovered that a few parcels were coded wrong by visually displaying their school districts code as a different map color. By

utilizing the County GIS, errors were identified and corrections made. Areas served by a public sanitary service were researched and mapped in 2007 and have since been maintained as changes are reported. A zipcode shapefile was created based on interpolating boundaries between areas of known address locations throughout the County.

12. Critical Infrastructure and Facility Management

Emergency Service Areas or response zones have been mapped and can be viewed on the internet through the County's Web Map. Users have the choice of viewing a composite theme "Emergency Response Zones" or can view each response area individually ("Ambulance", "Fire Department", "First Responders", or "Police/Law Enforcement").

Harbors, airports, and recreational trails have been added to the County's base mapping. Mapping of government facilities and hazardous material sites has been done on an as-needed basis for inclusion in Emergency Response plans. Various government facility locations were mapped to support a feasibility study for a high-speed communication network. The segment of the Ice Age Trail in Door County connects hiking paths in Potawatomi State Park to the Ahnapee State Trail. Door County Snowmobile Trail mapping is maintained annually for clubs that submit changes to the County Parks Department. The County Parks Department website (http://map.co.door.wi.us/parks/) contains links about trails and their uses, as well as a wealth of other recreational activities and services associated with the Door County Parks Department. State and County Parks have been mapped and maintained as needed.

Door County instituted a voluntary Propane registry system in response to an explosion that claimed two lives and injured several others in July of 2006. It was believed that severed propane lines were a significant contributing factor, if not the sole cause of the explosion. In 2007, the County posted a web page and developed a form for the public to get information and to download a form for voluntarily registering their private propane systems. The site included an interactive map of registered sites, but very few propane systems were registered. Few people submitted information as there was little education or funding, and the registry was not a requirement of the land owners, installers, or suppliers. Although the voluntary propane registry was not a success, it appears that GIS and technology could have been a useful tool in supporting such a program.

13. Data Base Design and System Implementation

As part of the County network, Door County has a virtual server devoted to GIS data. It is planned that metadata and documentation be stored with the data for easy access and inclusion with data requests. A second virtual server has been setup for hosting internet content, including the County Web Map and pages for several Departments. The Internet server is on the outside of the County's firewall for security purposes, and other permissions and security setup is done through Windows. Existing metadata is placed with the actual data files and folders on the GIS server for inclusion with data requests. Metadata is available on the web map page by clicking the "Help" button and selecting MetaData in the left column of the new pop-up window or selecting "Help Page" from the County's GIS/LIO home page. Web map data is maintained monthly, and typically includes any updates for tax parcels, roads, and zoning.

A more concerted effort should occur to develop and maintain metadata on all GIS layers and records. The metadata editor in ArcGIS 9x would be used to edit the data and periodic reviews could track progress. Documentation on maintenance processes should also be reviewed and updated. An excellent time to review the documentation on a process is during a regular maintenance routine. Any changes to that process should be reflected in the documentation, typically a Word file placed in the same data folder. Re-occurring processes, either new or on-going, should be documented explaining how to re-create or maintain data files.

Database design and system implementation is most involved for tax parcel data. The parcel attribute records and geometry, and process for maintaining with separate systems and joining into a GIS format are all documented. Documentation includes the AutoCAD drawing specifications for edits and printing. Most all other data sets have simpler administration, as data is maintained with ESRI software in shapefile format. Door County will review maintenance processes and data formats as needs arise. It is anticipated that Door County may research SQL server and ArcSDE Server, and other advanced GIS format structures, to identify user needs that would not otherwise be accommodated with existing shapefile formats. Prior to any decision with regards to proposed changes, efficiencies gained should be quantified, and all potentially affected departments be given the opportunity to review the impact, whether positive or negative.

F. Public Access

Currently the public can purchase hard-copy plots or digital files at a nominal fee ($50 per CD or $100 per DVD) to cover personnel time and media costs. The public can also request to open an account to access the County's Real Estate System via the internet. The majority of the County's fee-based database accounts consist of real estate agencies, banks, and title companies. The County now charges an annual fee of $100 per account. This County Data resides on an IBM i5 mid-range computer. User profiles and passwords allow the assignment of permissions and securities for limiting access and providing security.

Door County's official website (http://www.co.door.wi.gov) and the GIS/LIO Home Page (http://map.co.door.wi.us/gis-lio/home.htm) have quick links to the County Land Information Portal (http://map.co.door.wi.us/). From the Web Map, users are able to view maps and data on such features as parcels, county zoning, soils, wetlands, municipalities, and more. The Web Map allows the public access to a variety of public records that can be viewed through a map interface at no charge. Users simply need an internet connection and browser. The County's internet site(s) allows the public access to Door County records and maps at all times of day and from far-away locations. Door County may serve up web mapping services for other internet sites, such as Google Maps, to incorporate Door County map information directly into their mapping sites. By doing so, users may become more aware of what Door County has to offer and more easily access current map information.

G. Integration and Cooperation

All County departments are encouraged to request services and assistance with their geographic information needs. In the past, the County has been able to fulfill most requests, whether providing technical assistance in-house or acquiring outside services. Door County has been fortunate in acquiring ample funding to proceed with planned

projects through State grants, County LIO funding, other County funded contributions, or other agencies participating in mutual projects. These same funding sources will continue to be explored. If funding shortfalls become an issue, projects will be prioritized based largely on cost and benefit. If this is the case, some projects may be postponed until sufficient funding is identified.

In developing its GIS, Door County has worked with State and Federal agencies to acquire LIDAR elevations, aerial photography, soils, wetlands, and karst features. Door County has sought and received cooperation with various GIS projects of common interest from a variety of entities. Door County submitted LIDAR elevation data, as well as other GIS data sets, to the WI-DNR and contractors in support of floodplain mapping determinations and to provide a reference base. The County has established a history of extending GIS services to the local municipalities. Door County completed aerial photography projects in 2007 and 2009 in which the City of Sturgeon Bay and northern three villages participated in to acquire more detailed imagery to meet their needs. All the County's local municipalities were contacted to seek their interest in acquiring building outlines in spring 2009. The option to acquire building outlines was accepted by the majority of municipalities with the County offering to fund half the cost. Building outlines are now a county-wide layer available on the County Web Map. The County will continue to be open to cooperative efforts to accomplish common project goals, whether the other party is a federal, state, or local agency, non-profit, or private entiry.

Door County has sought to make its GIS data accessible by providing it to the public on the internet through the County Web Map. Door County also attempts to meet all digital data requests in a timely manner and at a very reasonable cost. The Door County GIS Data sheet and Distribution Agreement are on the internet, as well as contact information, in an effort to make the County's GIS resources readily available.

H. Communication, Education, Training and Facilitated Technical Assistance

All County personnel have Internet and E-mail access on their computers. Having more people capable of accessing the Internet allows County Departments the opportunity to research the Wisconsin Land Information Program and GIS related issues, first hand, if desired. The County GIS/LIO Coordinator developed a Door County GIS/LIO Home page with the following URL: http://map.co.door.wi.us/gis-lio/home.htm. The Page has links to GIS and mapping interests for Door County and more, including a link to the County Land Information Portal. The Help Page (http://map.co.door.wi.us/map/door/help/) for the new Door County Web Map provides documentation of tools, data, and County contacts. The County GIS/LIO Coordinator has provided several training sessions to County staff and the Association of Door County Realtors on the use of County sites and the Web-Map. Where the County sees a possible common goal or interest with another party, a representative of that entity will be approached about potential involvement with the County GIS/Land Information Modernization efforts. County Departments have the option to use their training budgets to support their staff's education, including GIS related opportunities. However, requests of LIO funds are also encouraged to support County employees or Board members to attend seminars on GIS-related applications, courses on GIS software, or workshops to better understand the Wisconsin Land Information Program objectives. The County has consistently sent personnel to the Wisconsin Land Information Association (WLIA) Annual Conference in an effort to gain knowledge and understanding of technical and institutional issues.

In the past, the County has supported employees to attend classes for technical software training. Such training will continue on an as-needed basis. Technical assistance will be sought from outside consultants or vendors, when the needed expertise or project scope exceeds the available resources at the County.

The Door County LIO will continue membership in the land info technical assistance email listserv (doa-landinfo@lists.wi.gov).

I. Administrative Standards Not Associated With Foundational Elements

Door County agrees to observe and follow the statutes relating to the Wisconsin Land Information Program and other relevant statutes.

Door County agrees to permit the Wisconsin Department of Administration to access books, records and projects for inspection and audit.

Door County agrees to review and update the GIS Inventory Survey annually as required by the Wisconsin Land Information Program (WLIP).

Door County agrees to keep the Plan updated every five years, or more frequently, if needed.

Door County looks forward to the acceptance of this Plan, and associated benefits, including continued eligibility for State Program funding. Door County agrees to participate in a peer review process to assess plan acceptability by the land information community.

DOOR COUNTY

Resolution No. 2010-63

CREATION OF LAND INFORMATION COUNCIL

ROLL CALL Board Members	Aye	Nay	Exc.
ANDERSON	X		
AUSTAD	X		
BRANN	X		
DeBAKER	X		
DeWITT	X		
FISHER	X		
FONTAINE			X
GUNNLAUGSSON	X		
HAINES	X		
LIEBE			X
LIENAU	X		
MEYER	X		
MOELLER	X		
MULLIKEN	X		
NEINAS	X		
OLSON	X		
RUNQUIST	X		
SCHULTZ	X		
VIRLEE	X		
WIEGAND	X		
ZIPPERER	X		
	19	0	2

BOARD ACTION

Vote Required: Majority Vote of a Quorum

Motion to Approve — Adopted [X]

1st Moeller — Defeated [ ]

2nd Meyer

Yes: 19 No: 0 Exc: 2

Reviewed by: _____ Corp. Counsel

Reviewed by: _____ Administrator

FISCAL IMPACT: There is no fiscal impact with the formation of this board.
Sms

Certification:

I, Jill Lau, Clerk of Door County, hereby certify that the above is a true and correct copy of a resolution that was adopted on the 22nd day of June, 2010 by the Door County Board of Supervisors.

Jill Lau
County Clerk, Door County

TO THE DOOR COUNTY BOARD OF SUPERVISORS:

WHEREAS, 2009 Wisconsin Act 314 was enacted on May 12, 2010, published on May 26, 2010, and takes effect on the 30th day beginning after the day of publication (on or about June 28, 2010); and

WHEREAS, Among other things, 2009 Wisconsin Act 314 created Section 59.72 (3m) Wisconsin Statutes, which requires a county (such as Door County) that has established a land information office to have a land information council, consisting of the register of deeds, the treasurer, and (if one has been appointed) the real property lister or their designees and the following members appointed by the county board for terms prescribed by the county board: 1) member of the board; 2) representative of the land information office; 3) A realtor or a member of the Realtors Association employed within the county; 4) A public safety or emergency communications representative employed within the county; 4) The county surveyor or a registered professional land surveyor employed within the county; and; 5) any other members of the board or public that the county board designates.

NOW, THEREFORE, BE IT RESOLVED, That the Door County Board of Supervisors does hereby establish a Land Information Council pursuant to and in accordance with Section 59.72 (3m) Wisconsin Statutes.

BE IT FURTHER RESOLVED, That the primary functions of the Land Information Council are to review the priorities, needs, policies of, and advise the County on matters affecting the land information office.

BE IT FURTHER RESOLVED, That the inaugural members of the Land Information (as appointed by the County Administrator subject to the confirmation of the County Board) are:

- Tom Haight, GIS Specialist
- Richard Haines, County Board Supervisor
- Tim Ullman, Director of Information Systems
- Carey Petersilka, Register of Deeds
- Jay Zahn, Treasurer
- Holly Hansen, Real Property Lister
- Brian Frisque, Registered Land Surveyor
- Bob Starr, Realtor and/or Realtor Association Member
- Ann DeMeuse, Emergency Management Director/Admin. Assistant

Each member shall serve until their successor is appointed.

SUBMITTED BY:

Leo W. Zipperer, Chairman
Door County Board of Supervisors

Michael J. Serpe
County Administrator

Door County Land Information Office (LIO)
Proposed 2010 Budget
11-Aug-2009

A/C 100.32117 & 32118	Projected 2009	Actual 2009	Projected 2010	Projected 2011
Beginning Balance				
Land Modernization		**185,137.83**		
Computerized Internet		**45,184.79**		
Revenues:				
Land Modernization (48342)	$ 40,000.00	$ 27,638.00	$ 40,000.00	$ 40,000.00
LIO Training Grant (43253)	$ 300.00	$ -	$ 300.00	$ 300.00
LIO Internet (48343)	**$ 10,000.00**	**$ 6,153.00**	**$ 10,000.00**	**$ 10,000.00**
LIO Project Cost-share (48344)	$ -	$ -	$ 8,600.00	
LIO State Base Budget Grant (43254)	$ 1,878.00	$ -	$ 4,308.00	
Interest (48111)	$ 6,000.00	$ 694.17	$ 1,500.00	$ 1,500.00
Total Funds Available	***$ 58,178.00***	***$ 34,485.17***	***$ 64,708.00***	***$ 51,800.00***
Expenditures:				
Membership Dues (52402)		$ 225.00	$ 225.00	$ 225.00
Training (58116)	$ 7,000.00	$ 495.00	$ 3,500.00	$ 3,500.00
LIO Internet Exp (52126)	**$ 16,000.00**	**$ -**	**$ 9,854.00**	**$ 9,854.00**
Land Modernization Exp (52122)	$ 64,890.00	$ 31,961.69	$ 39,514.00	$ 45,000.00
Total Expenditures	***$ 87,890.00***	***$ 32,681.69***	***$ 53,093.00***	***$ 58,579.00***
Difference of Total Revenues from Total Expenditures	**(29,712.00)**	**1,803.48**	**11,615.00**	**(6,779.00)**
Land Modernization Balance	**$ (23,712.00)**	**$ (4,349.52)**	**$ 11,469.00**	**$ (6,925.00)**
LIO Internet Balance	**$ (6,000.00)**	**$ 6,153.00**	**$ 146.00**	**$ 146.00**
GIS Fees Collected to Date (46105-04112)	$ 2,000.00	$ 1,512.00	$ 2,000.00	$ 2,000.00

Budgeted 2010 Land Modernization Projects

LIM Account (52122)		
Computer Outlay for Land Depts. (PZ, RoD, RPL, San, SWCD)		$ 7,500.00
Computer Outlay for Treasurer		$ 559.00
EaglePoint Software Maintenance (SWCD)		$ 1,912.50
ESRI Software Maintenance		$ 5,700.00
Pictometry		$ 22,842.50
Plotter Paper & Misc. Supplies		$ 1,000.00
	TOTAL	**$ 39,514.00**
LIO Internet Exp (52126)		
Green Print web-hosting		$ 1,500.00
Green Print data updates		$ 7,354.00
HEI Web Map programming		$ 1,000.00
	TOTAL	**$ 9,854.00**

Door County Land Information Office
LIO Accounts Report
7/2/2010

A/C 100.32117 & 32118		2010
Beginning Balance		
Land Modernization	**$**	**158,121.32**
Computerized Internet	**$**	**30,200.97**
Revenues:		
100.13.xxxxx		
LIO Training Grant (43253)	$	-
WLIP Base Budget Grant (43254)	$	-
Interest (48111)	$	181.36
Land Modernization (48342)	$	20,072.00
LIO Internet (48343)	**$**	**4,690.00**
LIO Misc Revenues (48344)	$	8,762.08
Total Funds Available	***$***	***222,027.73***
Expenditures:		
100.13.1730.xxxxx		
Land Modernization Exp (52122)	$	5,688.91
LIO Internet Exp (52126)	**$**	**1,098.00**
Software Maintenance (52302)	$	6,665.71
Membership Dues (52402)	$	-
Conference Fees & Training (54101)	$	305.00
Mileage, Meals, Lodging (54102)	$	230.00
Training (58116)	$	-
Department Outlay (69901)	$	1,920.03
Total Expenditures	***$***	***15,907.65***
Land Modernization Balance	**$**	**172,327.11**
LIO Internet Balance	**$**	**33,792.97**
Total LIO Modernization Funds	**$**	**206,120.08**

GIS Fees Collected to Date	**$**	**673.00**
(100.13.46105.04112)		

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S.M.Scalish, Finance Director