

Land Information Modernization and Integration Plan

2003-2007

Table of Contents

I.	ΕX	ECUTIVE SUMMARY	
	А.	Identification and Contact Information	3
		Participants in the Planning Process	
	C.	Summary of the Plan	4
п	т .		
II.		ND INFORMATION MODERNIZATION AND INTEGRATION PLAN	
	А.	Goals and Objectives.	
		1. Statement of Goals and Objectives	
	P	2. Operating System Environment and Database Design	
		Progress Report on Ongoing Activities	
	C.	New Initiatives.	
		1. Proposed Projects	
		2. Assistance Requested	
	P	3. Problems Encountered.	
		Custodial Responsibilities	
	E.	Foundational Elements and State-Wide Standards	
		1. Communication, Education, Training and Technical Assistance	
		2. Geographic Reference Framework	
		3. Parcel Mapping	
		4. Parcel Administration	
		5. Public Access	
		6. Zoning Mapping	
		7. Soils Mapping	
		8. Wetlands Mapping	
		9. Institutional Arrangements and Integration	
		10. Reconciled Election and Administrative Boundary System	
		11. Reconciled Street Address and Street Network System	
		12. Land Use Mapping	
		13. Natural Resource Mapping	
		14. Database Design	
		15. Infrastructure and Facility Management	
	F.	B I I I I I I I I I I I I I I I I I I I	
		Technical Standards Not Directly Associated With Foundational Elements	
		Administrative Standards Not Associated with Foundational Elements	
	I.	Timeline	18

I. EXECUTIVE SUMMARY

A. Identification and Contact Information

County	Plan Contact
Washington County,	Eric P. Damkot, GIS Manager/Land Information Manager
Wisconsin	333 E Washington St. Suite 2300
	PO BOX 2003
	West Bend, WI 53095-2003
	Voice: (262)335-4445 / FAX: (262)335-6868
	eric.damkot@co.washington.wi.us

B. <u>Participants in the Planning Process</u>

Participant/Affiliation	Contact Information
Brian W. Braithwaite,	432 E Washington St.
Real Property Lister	West Bend, WI 53095
	Voice: (262)335-2217 / FAX: (262)335-6866
	brian.braithwaite@co.washington.wi.us
Brenda Hicks-Sorensen,	333 E. Washington St.
Economic Development	West Bend, WI 53095
Coordinator	Voice: (262)335-4445
	Brenda.hickssorensen@co.washington.wi.us
Troy P. Kuphal,	333 E. Washington St.
County Conservationist	West Bend, WI 53095
	Voice: (262)335-4800
	lcdtroy@co.washington.wi.us
Sharon Martin,	432 E. Washington St.
Register of Deeds	West Bend, WI 53095
, , , , , , , , , , , , , , , , , , ,	Voice: (262) 306-2225
	Sharon.martin@co.washington.wi.us
Paul Mueller,	333 E. Washington St.
Administrator, Planning and Parks	West Bend, WI 53095
Department	Voice: (262)335-4445
•	lanpaul@co.washington.wi.us
Jill Raffay	500 N Schmidt Road
Communications Sergeant	West Bend, WI 53095
_	Voice: (262)335-4378
	Shejill@co.washington.wi.us
Rob Schmid	432 E. Washington St.
Emergency Management	West Bend, WI 53095
Coordinator	Voice: (262)335-4399
	rob.schmid@co.washington.wi.us
Debora Sielski,	333 E. Washington St.
Assistant Administrator for	West Bend, WI 53095
Planning, Planning and Parks	Voice: (262)335-4445
Department	landeb@co.washington.wi.us
Herb Wolf,	333 E. Washington St.
Assistant Administrator, Planning	West Bend, WI 53095
and Parks Department	Voice: (262)335-4445
	lanherb@co.washington.wi.us

Reviewed and Approved by the Following Committees and Boards:

April 14, 2003	Washington County Land Information Advisory Committee
April 23, 2003	Planning Conservation and Parks Committee

C. Summary of the Plan

This plan is the second update to the original Washington County Land Records Modernization Plan completed in 1992. Both the original plan and its 1998 update documented previous GIS/LIS goals and objectives and established a framework for initial and future program development.

This plan was prepared in accordance to the "Uniform Instructions for Preparing County and Agency Land Information Modernization and Integration Plans" dated September 1, 1997 and describes general goals and objects for the 2003 through 2007 time period. This plan is a living document and will be modified as needed to reflect changes in funding, data/application priorities, and technology. The emphasis of this plan is to 1) maintain and enhance the infrastructure and databases acquired under the previous plans and 2) continue to collect and efficiently disseminate quality data to all Washington County Departments, other levels of government and the general public.

II. LAND INFORMATION MODERNIZATION AND INTEGRATION PLAN

A. Goals and Objectives

The following are goals and objectives for the Washington County Land Information and Integration program. Each goal has identified relationships to internal and external customers as appropriate. Each objective has a target time for completion.

The Washington County Land Information Advisory Committee meets regularly to determine the priorities for each objective and the resource requirements to achieve the objective. The Land Information staff established task definitions to accomplish objectives. In some cases additional information about priorities, resources, or tasks are listed with the objective.

1. Statement of Goals and Objectives

Goal 1: To Implement in Washington County, over time, a multipurpose, multi-user, parcel-based, automated mapping and land information system consisting of the following five basic elements:

- a) Geodetic reference framework.
- b) Large-scale planimetric and topographic base maps.
- c) Overlays, including cadastral boundaries and boundaries of various cultural and natural resources.

- d) Identifiers, including parcel numbers and codes associated with various cultural and natural areas.
- e) Non-spatial land information files, including cadastral parcel records and various cultural and natural resource data.

Goal 2: Continue to expand and develop land information datasets and integrate GIS into the daily activities of all Departments that use spatial data. The Washington County Land Information Advisory Committee will implement changes in land record management that will facilitate

- Improved data accuracy
- Lowering costs and increasing the efficiency of county government
- A reduction in duplication of effort between departments
- Improved access to information for users
- Comprehensive Planning

This goal will be achieved by the following objectives.

Objective 2A: Participate in regional and local ground water studies that will result in better base-line and projected ground water levels, use patterns, and quality. This objective provides necessary information for comprehensive planning and protecting the resource.

Objective 2B: By the third quarter of 2003 Washington County will have a complete surface hydrography data set. The data model will support county zoning and land conservation applications. Links to Wisconsin Department of Natural Resources attribute data are included.

Objective 2C: Continue to improve zoning and natural resource data including, but not limited to hydrography, shorelands, floodplains and floodways.

Objective 2D: Develop and implement a plan to systematically inspect the condition of, and repair if needed, all monuments and ties. This objective is first being achieved as a by-product of the on-going vertical control project. Upon the completion of the vertical control project in 2004 a new policy, that could include redefining how the County Surveyor functions are accomplished, will be created.

Objective 2E: Acquire new digital orthophotography in spring of 2005. This objective continues the established 5-year update cycle and will likely be accomplished through a regional cooperative administered by the Southeastern Wisconsin Regional Planning Commission (SEWRPC).

Objective 2F: Continue to preserve and modernize historic documents in the Register of Deeds office. This initiative includes the perpetuation of

deteriorating paper documents and incorporating additional historic documents into the County's imaging and indexing systems.

Objective 2G: Scan and index all surveys filed with the County Surveyor and residing in the Real Property Lister Office.

Objective 2H: Integrate existing data maintained by the Sheriff Department with the GIS. Coordinate future data acquisition and system development with the Sheriff Department and Emergency Government.

Goal 3: Acquire the hardware, software and data sets required for comprehensive planning.

The GIS is expected to be an invaluable tool throughout the comprehensive planning process. Many of the elements identified in the comprehensive plan require data sets that do not currently exist or vary in format, accuracy, and currency.

Objective 3A: Convert the non-graphic business database maintained by the Washington County Economic Develop Office to a graphic database with links to similar data maintained by Emergency Government. The database will be further expanded to include community facilities (police, fire and rescue, libraries, schools and other government building and facilities).

Objective 3B: Enhance existing databases maintained by various county departments to support comprehensive planning. Identified data includes storm water management facilities, mining operations, manure storage facilities, and crop lands.

Objective 3C: Continue to identify and acquire or create additional data sets as required to support Washington County's comprehensive planning efforts. Such data sets may include, but is not limited to data sets needed for the housing, utilities and community facilities, economic development, transportation, land use and the agricultural, natural and cultural resource elements of the comprehensive plan.

Objective 3D: Acquire, as needed, software to accomplish the previous 3 objectives, analyze data and generate output throughout the comprehensive planning process.

Goal 4: Implement new advances in hardware and software and where required, develop custom applications to support land records modernization and integration.

Objective 4A: By the first quarter of 2004, move all GIS data from the existing MGE/Microstation/Microsoft SQL Server to a new system that takes advantage of a Relational Database Management System for geographic data

storage and retrieval. This objective will analyze different database alternatives for speed, security, functionality and interoperability with nongraphic systems.

Objective 4B: Integrate the GIS and document imaging system. This objective will provide direct links from graphics (parcels, road segments, flood plain boundaries, etc.) in the GIS to images (deeds, highway plans, surveys, etc.) in the document imaging system.

Objective 4C: In 2002 Washington County implemented a system in the Register of Deeds to support electronic document filing. The signed contract includes system support through September 2005. Continued expense to support this function is anticipated.

Objective 4D: Develop a comprehensive system to geographically track all land conservation practices and integrate existing tabular data into a single user-friendly application.

Objective 4E: Develop a comprehensive system to integrate county permitting and private septic information with other data in the GIS including parcel mapping.

Objective 4F: Acquire software and data for an asset management system integrated with the GIS and including all highway signs

Goal 5: Encourage Internal and External GIS Program coordination and cooperation and provide access to data as guided by the requirements and restrictions of statutes and county policy.

Objective 5A: Review, update and implement the Washington County policy for distributing land records to local, regional, state, and federal governments. This includes distribution of information through the Internet or an Extranet.

Objective 5B: Review, update and implement the Washington County policy for distributing land records to the public. This includes distribution of information through the Internet.

Objective 5C: Define and implement appropriate data standards and documentation, including metadata, to support intra-departmental and intracounty cooperation and data sharing. (Ongoing)

Objective 5D: Seek opportunities for data sharing, including formal agreements, between the county and all levels of government, utilities and other data creators. This will include disseminating GIS data for the purpose of comprehensive planning.

Objective 5E: Use the GIS to disseminate data for the public participation portion of the comprehensive planning process.

Objective 5F: Cooperate in state and regional land record distribution initiatives that are consistent with the Washington County data distribution policy.

Goal 6: Provide short term and long term planning, training, and technical support for the GIS program.

A well-trained staff is necessary to provide technical support to all land records and GIS users in the County. The goal is to assure that funding mechanisms, staff, and technical resources are available to support the expanding GIS program.

Objective 6A: Attendance at Wisconsin Land Information Association and other professional organizations and users groups will be encouraged for all county GIS staff.

Objective 6B: Technical GIS staff will provide training and support for less technical county staff.

Goal 7: Actively seek various funding sources for Land Records Modernization and Integration projects.

Objective 7A: Washington County will pursue cooperative funding arrangements with other governmental units, state government agencies, state programs or multi-jurisdictional organizations.

Objective 7B: Pursue available grants and non-traditional funding sources for the advancement of land records modernization and integration.

Criteria required by the WLIB for meeting the above goals.

a. Information Transfer

The county will ensure that all Land Information maintained by Washington County is readily translatable for use by any state or local county/agency or public use.

Intergraph, the County's GIS provider, is a member of the Open GIS Consortium (OGC) and supports all Open GIS and Open Database Compliant (ODBC) specifications. The County expects to have information available in these formats as the vendor provides them. The County does not and can not warrant that all systems comply with these national standards. The county does not and can not warrant that once information is transferred that it will be usable in a system where the design is unknown or the data have been developed to meet a specific purpose.

b. Information Retrieval

As stated above the County's GIS vendor conforms to Open GIS and ODBC requirements.

c. Geographical Referencing

The County uses the North American Datum of 1927 State Plane Coordinate System Wisconsin South Zone as specified by the Southeastern Wisconsin Regional Planning Commission (SEWRPC). SEWRPC has developed conversion algorithms to convert data to other datums used in the state. The program is publicly available from the Commission. Intergraph software provides tools to reproject data to common coordinate systems for public and private users.

2. Operating System Environment and Database Design

The County's GIS system will support all the activities the county plans to do related to land records. The operating system for the GIS is Microsoft Windows NT and this operating system should evolve as technology advances.

The database design for land records information conforms as possible with national standards. All integrated land records will be managed in relational databases. The spatial data are topologically structured. FCDC compliant Metadata are maintained for all data using Integraph's SMMS software.

B. Progress Report on Ongoing Activities

Progress made in the county under the previous plans and the goals and objectives listed in the previous section are as follows:

Goal 1

- Digital parcel mapping for the City of Hartford will be completed in mid 2003. With the completion of this project, all parcels in Washington County will be digitally mapped in compatible formats.
- Vertical control will be established for approximately 863 Public Land Survey System (PLSS) monuments in Washington County. With the completion of this project, all PLSS monuments in Washington County will have both horizontal and vertical control.
- The 2002 WLIP grant project will extend contour and planimetric mapping to 18 sections in Southern Washington County.

Goal 2

- A project is underway to map all surface hydrography features. This project will support all known and anticipated internal needs and provide links to Wisconsin DNR data sets.
- Digital orthophotography is complete for 1995 and 2000. The established 5-year update cycle is expected to continue.
- An optical document imaging system has been implemented in the Register of Deeds and other departments. Efforts to add historic documents to the system are ongoing.

- Soils, road centerlines, rectified census data, county supervisor and other election data, and shore land/wetland/floodplain data are automated and integrated into the county GIS.
- The 2002 WLIP grant project will extend detailed floodplain analysis to 30 sections in Southern Washington County

Goal 3

• The process to identify data required for comprehensive planning and possible sources of that data is well underway and ongoing.

Goal 4

- The Register of Deeds has acquired the necessary hardware and software to accept electronic documents.
- Washington County has an established GIS using Intergraph's MGE with a Microsoft SQL Server database. The GeoMedia product suite is used for most data analysis. Enterprise db2 databases are accessible within the GIS.
- The Land Conservation Department is currently using repeatable routines within the GIS software for planning, mapping, and installing a limited number of conservation practices.

Goal 5

- GIS data is available to all county employees through an Intranet mapping application. The public has access to the same application through public terminals located in the County courthouse.
- Washington County has an existing policy in place for digital land information distribution. Fees are set to encourage distribution in the data's native format. The policy will be analyzed and amended to address distribution of land records on the Internet.
- Internal data standards and documentation have been developed and implemented. This includes FGDC compliant metadata for all GIS data sets developed and maintained by the County.
- The Planning Division of the Planning and Parks Department is actively promoting partnerships for comprehensive planning.

Goal 6

- The GIS office continues to be the focus of technical support within the county for CAD and GIS software and applications.
- Additional training and education of staff is continuing.

Goal 7

• Washington County has received support and resources from a variety of sources including grants and other levels of government.

C. New Initiatives

1. **Proposed Projects**

The County is continuing its ongoing land records projects as described in the goal and objectives section of this plan. No major projects beyond those articulated in the goals and objectives section are planned.

2. Assistance Requested

No direct assistance from the Wisconsin Land Information Board is requested at this time.

a. Technical Assistance

Washington County is working to develop as much as possible in house technical expertise. The County has Internet connectivity and utilizes the technical assistance list server. Membership in professional organizations and users groups is encouraged. The county will identify and seek additional technical support and training as needed.

b. Local Financing

Washington County plans to use retained fees, the Wisconsin Land Information Board's (WLIB) grant program, as well as county tax levy to fund the activities identified in this plan. The County will continue to pursue other grant opportunities outside of the WLIB and cost sharing opportunities when available.

c. Procurement practices

The Washington County Land Information Advisory Committee and Planning, Conservation, and Parks committee has always and will continue to follow county ordinances and administrative rules for procurement.

3. Problems Encountered

The problems encountered are minor and have been solved as they arose. In some cases an approach to a solution has been developed, but not fully implemented

D. Custodial Responsibilities

Washington County has the same custodial responsibilities for data as other counties in Wisconsin. Following are some of the land records custodial responsibilities listed by department. If a specific statute, ordinance or formal policy confers custody, an indication will appear in parentheses. Washington County is not currently seeking to assume additional custodial responsibility. The county will consider any request for custodial responsibility and evaluate the request based on available and required resources, compatibility with other county data sets, and conformance with the county plan.

Highway

• File right-of-way plats and construction plots

Land Conservation

- File soils maps and tables
- Maintain agriculture field maps
- Watershed maps

Planning and Parks Department

- Maintain countywide street network map
- Maintain description, ownership, and assessment information for all personal and real property (§70.09)
- Maintain parcel maps (§70.09)
- Maintain private sanitary system site plans (§59.69)
- Maintain surface hydrography mapping
- Maintain Shore land/Wetland/Flood Plane Zoning Maps.
- Maintain Economic Development data.

Register of Deeds

- Record and Scan Deeds, Mortgages, Subdivisions, Certified Survey Maps, Condominium and other related documents (§59.43)
- Maintain Tract Index of real property (§59.43)

Surveyor

- Maintain information on PLSS corners including tie sheets (§59.45)
- File private survey maps (§59.45)

Treasurer

- Maintain tax rates and special assessment information (§70.09)
- Maintain tax information for all personal and real property (§29.25)

E. Foundational Elements and State-Wide Standards

1. Communication, Education, Training and Facilitated Technical Assistance

- Staff have attended metadata workshops and maintain FGDC compliant metadata for all databases maintained by GIS staff. Additional data documentation, including procedures manuals, continue to expand.
- The GIS office coordinates training/education opportunities for county departmental staff. This includes monthly meetings of all technical staff who work with spatial data. The county training computer lab is used when appropriate.
- Washington County is connected to the technical assistance list server and plans to participate in the WLIB Clearinghouse.

2. Geographic Reference Frameworks

Geodetic Control Networks Public Land Survey System

- Washington County collects and maintains these data and conforms to the standards described in:
 - Standards for Geodetic Reference Systems
 - a) FGCC standards and specifications
 - b) Wis. Stats. Chapter 236.18
 - c) WLIB Specifications and Guidelines to Support Densification of the Wis. High Accuracy Reference Network (HARN) Using Global Positioning System (GPS) Technology June 1995).
 - Standards for Public Land Survey System Corners
 - a) Corner Remonumentation (Sec. 59.63(1); Sec. 60.84 (3)(c) Wis. Stats).
 - b) Remon. Records (Wis. Stats. (Sec. 59.635(2)(b) and Wis. Admin. Code AE 7.08(2).
 - c) Coordinate Values (FGCC Third Order Class I).
 - Standards for Geographic Control Data
 - a) FGCC Third Order Class II for Horizontal Coordinate Values and Third Order for Elevation Values.
- All of Washington County is remonumented. A control survey network assigning horizontal state plane coordinate values to USPLSS sections corners and quarter corners is complete. Currently vertical control is complete for 60% of section and quarter section corners.
- The County has countywide digital orthophotography from 1995 at 1"=400' compilation scale and from 2000 at 1"=200' compilation scale.

3. Parcel Mapping

- Washington County maintains digital parcel mapping for all areas of the county excluding the City of Hartford and the City of West Bend. Parcel mapping for the City Hartford is being completed through a WLIP grant project. Maintenance for the completed project will be the responsible of the County. The City of West Bend maintains city parcels in a compatible format.
- The United States Public Land Survey system (USPLSS) reference frame is constructed with precision placement of all section and quarter section monuments. USPLSS sections and quarter sections are constructed from the monuments. Washington County parcel maps are constructed with coordinate geometry (COGO) and tied to the USPLSS.
- Washington County's parcel maps are suitable to support property taxes and decision making by employing geodetic reference, topology and parcel identification.

• Every parcel identified on the map will have a unique local parcel identification number that ties the parcel to all tax databases. The WLIB Parcel Numbering System will be incorporated into the Washington County Land Information System through database manipulation and programming. This would create a lookup table tying the WLIB standard identification number to the local identification number.

4. Parcel Administration

- Washington County is working to complete this information. Any land information system the county develops will support at minimum tax data and parcel ID maintenance.
- Washington County has had document imaging since 1998.
- The transfer return form requires parcel number and this could be used to link the document imaging to the tax records. Washington County is exploring other alternatives to link the tax parcels to the document imaging system.
- Every parcel will have a unique local parcel identification number. The WLIB Parcel Numbering System will be incorporated into the Washington County Land Information System through database manipulation and programming. This would create a lookup table tying the WLIB standard identification number to the local identification number.

5. Public Access

- Washington County provides access to information in all appropriate county offices. This will include public access terminals to digital indices and GIS maps. Washington County will modify existing policies to determine how Internet technology will fit into the overall public access policy.
- Washington County will consider all state and regional initiatives to provide public access to land records.
- The Washington County Information Services Department handles all matters of system security.
- The right to privacy is handled through data distribution and access policies.

6. Zoning Mapping

- Washington County has incorporated the Southeastern Wisconsin Regional Planning Commission's Shore land, Wetland and Floodplain zoning data into the county's Geographic Information System. This information is compliant with, and has been distributed to local governments.
- Washington County is actively seeking opportunities to enhance floodplain mapping as is demonstrated by the proposed 2002 WLIP grant project.

7. Soils Mapping

• Washington County received digital soil mapping from the Southeastern Wisconsin Regional Planning Commission (SEWRPC). The digitizing process is not NRCS compliant. SEWRPC is currently reviewing the process to bring this data into NRCS compliance.

8. Wetlands Mapping

• Washington County incorporated the wetlands delivered by the Southeastern Wisconsin Regional Planning Commission as part of the County's Shore land/Wetland/Flood plain zoning maps. Wisconsin Department of Natural Resource Wetlands are usable in the Washington County GIS.

9. Institutional Arrangements and Integration

• Washington County has an Internal and External Operation Policy that addresses this issue. That policy will be reviewed under the scope of this plan. Currently Washington County has many informal arrangements with local cities, villages, and towns. Washington County will consider any mutually beneficial formal data sharing agreements. No standards have been adopted at this time.

10. Reconciled Election and Administrative Boundary System

- Where districts are based on parcel lines they will be derived from the parcel fabric. These districts include minor civil division boundaries, utility districts, drainage districts, lake management districts, school districts, and other districts with taxing authority.
- Legislative, and other election districts including county supervisor and ward plans are derived from spatially enhanced census data conflated to the Washington County road centerline database.
- It is anticipated that this data will be local government compliant.

11. Reconciled Street Address and Street Network System

• Washington County has a street network system digitized using an orthophotograph base. The road segments are coded with street names as well as left and right address ranges. It is anticipated that this data will be local government compliant. In addition, the City of West Bend maintains a point address file for all valid addresses in the City.

12. Land Use Mapping

- The county has incorporated land use mapping developed by the Southeastern Wisconsin Regional Planning Commission (SEWRPC).
- Washington County has township-based assessment. The land use is maintained by local assessors and linked to the tax roll and parcel mapping by the tax key.
- It is anticipated that this data will be local government compliant.

13. Natural Resources

- Washington County has a watershed data set derived by interpreting 1:24,000 USGS quadrangle maps. The County is working towards a hydrography database that will include all surface water.
- Additional data, including environmental corridors and groundwater mapping is available from the Southeastern Regional Planning Commission and usable in the Washington County GIS.

14. Data Base Design (see Item II.A.2. above for description)

- Washington County has followed industry-accepted standards for database design and system engineering. The county is exploring options to migrate all data maintained by the GIS to a geodatabase model.
- Washington County GIS adheres to the Federal Geographic Data Committee (FGDC) Metadata standards as well as additional locally developed data documentation standards.

15. Infrastructure and Facility Management

- Road and railroad rights of way are included in the parcel mapping effort. The county also maintains an attributed road centerline database with links to the PASER database. The county working to incorporate the Wisconsin Department of Transportation local roads data.
- Recreation trails in all Washington County parks are mapped. The county has integrated Ice Age Trail information into the GIS.

F. Integration and Cooperation

The County seeks to develop further relationships with the cities, villages, and towns within the county and any neighboring counties performing similar activities.

The Washington County Land Information data sharing policy is within the spirit of the Wisconsin open records law. This policy provides for a broad range of possibility concerning data exchange.

Sharing of data and its use both horizontally and vertically is under study.

G. Technical Standards Not Directly Associated With the Foundational Elements

- Washington County adopted the FGDC standard as well as additional internally developed standards for Metadata.
- When products or services are acquired, county procurement and purchasing are followed.
- Washington County will comply with Wisconsin Administrative Code Chapter Adm 12, related to the transfer of public records to optical imaging.

H. Administrative Standards Not Associated With Foundational Elements

- 1. Washington County agrees to observe and follow the statutes relating to the Wisconsin Land Information Program and other relevant statutes, as described in written materials provided by the Wisconsin Land Information Board.
- 2. Washington County agrees to permit the Wisconsin Land Information Board access to books, records and projects for inspection and audit including unannounced audits by the board.
- 3. Washington County agrees to provide an Annual Status Report of Plan progress requested herein and to keep the Plan up to date. The report will be administered electronically.
- 4. The Wisconsin Land Information Board agrees to facilitate technical assistance to the county including an on-line Technical Assistance Service.
- 5. The Wisconsin Land Information Board agrees to maintain and distribute an inventory of land information and land information systems for the state. This will be provided through an electronic clearinghouse.
- 6. Development and implementation of an acceptable Land Information Modernization and Integration Plan confers certain benefits on local government within a county, including continued eligibility for Program funding. A self-approving peer review process will be used to assess Plan acceptability by the land information community.
- 7. The Wisconsin Land Information Board agrees to review funding requests and to provide guidance to local government with respect to the development of such requests.
- 8. The Wisconsin Land Information Board agrees to make available electronically on an annual basis, an Annual Report regarding the status of the Wisconsin Land Information Program and the activities of the Board.

I. Timeline

	1	2003 2004 2005 2006											2007							
Goals and Objectives	Q1			Q4	Q1	Q2		Q4	Q1			Q4	Q1			Q4	Q1			Q4
Goal 1: Implement a multipurpose,	-	-				-														
mulit-user, parcel-based LIS																				
Goal 2: Expand and enhance data and																				
integrate GIS countywide																				
Objective 2A: Participate in ground																				
water studies.																				
Objective 2B: Complete countywide]
hydrography.																				<u> </u>
Objective 2C: Improve zoning and																				
natural resource data.													_				_			<u> </u>
Objective 2D: Develop and																				
implement monument maintenance procedures																				
Objective 2E: Acquire new														-				-	_	
orthophotography																				
Objective 2F: Preserve and convert																				
ROD documents																				
Objective 2G: Scan Surveyor Files						1			l											
Objective 2H: Integrate GIS in the																				
Sheriff Dept.																				
Goal 3: Acquire, hardware, software																				
and data for Comprehensive Planning																				
Objective 3A: Convert																				
business/public facility database																				
Objective 3B: Enhance existing data																				
for comprehensive planning													_				_			<u> </u>
Objective 3C: Identify and acquire or																				
create additional data for																				
comprehensive planning Objective 3D: Acquire software for												_								
Comp. Planning																				
Goal 4: Implement new hardware,					-															
software, and custom applications.																				
Objective 4A: Migrate GIS data to a																				
RDMS																				
Objective 4B: Integrate GIS and																				
Document Imaging System																				
Objective 4C: Continue Register of																				
Deeds e-filing system support																				
Objective 4D: Develop Land					1			_							_					
Conservation Applications					<u> </u>															<u> </u>
Objective 4E: Integrate county																				
permitting data Objective 4F: Acquire assett					<u> </u>															
management system for signage						1														
Goal 5: Promote integration and access					-	-														
to land records																				
Objective 5A: Update inter-					-	-							-							
governmental data distribution policy																				
Objective 5B: Update public data					1															
distribution policy																				
Objective 5C: Define and implement																				
data standards																				
Objective 5D: Seek data sharing																				
opportunities and agreements																				
Objective 5E: Use GIS for Comp.	II																			
Planning public participation																				

Goals and Objectives		2003			2004				2005				2006				2007			
		Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Objective 5F: Cooperate with State																				
and Regional Initiatives																				
Goal 6: Provide planning, training, and																				
technical support for the GIS program																				
Objective 6A: Encourage																				
attendances at conference and																				
users' groups																				
Objective 6B: Provide technical GIS																				
training for county staff																				
Goal 7: Seek various funding sources	1				1															
for land records projects																				
Objective 7A: Pursue cooperative																				
funding and cost sharing																				
Objective 7B: Pursue grants and																				
other funding sources																				