

Regional Model for a Multi-Purpose Land Information System (The MPLIS)

Vision Components	Multnomah County	Individual Cost	Time Frame	Washington County	Cost	Time Frame	Clackamas County	Cost	Time Frame	Metro	MPLIS Objectives
Data Elements	1. Convert A&T CAD Data to GIS Ready Format.	\$190,900 Total. \$64,900, \$63,000, \$63,000	12 months Total. T1 2000, T2 2001, T3 2001				1. Continue cooperative effort with Cities to capture COGO tax lot data.	\$50,000 per year for the duration of the project	Project on going until at least 2010	Integrate county data sets.	Standard Data Structure for ORMAP.
	2. Link Assessor roll to GIS Ready Data.	Funded by Multnomah County	Contigent on Project. 1-3 months				2. Continue maintenance efforts.	Funded by Clackamas County	On-going independent of project 1		
	3. Reformat Attributes to ORMAP stds.	Funded by Multnomah County	Contigent on Projects 1 & 2. 2-4 weeks								
Positional Accuracy	1. Work with adjacent counties to establish a common boundary.	Funded by Multnomah County	1-6 months depending on issues	1. Continue Map Accuracy Improvements using COGO -ESU	\$25,000 Over 5 years	5 Years	1. Work with surveyor to collect control. Funds needed to supplement Corner Restoration Project to section corners	Dependent on the number of points required	As needed, perhaps 25 points per year	Document regional accuracy.	Compliance with minimum accuracy standards.
	2. Work with County Surveyor Govt. Corner Project to assess and improve accuracy.	Unknown	3-5 years away	1. Continue Map Accuracy Improvements using In-house Resources	\$40,000 Over 5 years	5 years	2. Collect DEM for regional data use for ortho photography and regional data registration	One time \$25,000	2001		
Policies and Procedures for producing & maintaining the uniform cadastral	1. Work with regional partners for consistent data design and maintenance.	Funded by Multnomah County	Ongoing	1. Work with regional partners for consistent data design and maintenance.			1. Work with regional partners for consistent data design.	Funded by Clackamas County	On-going	Coordinate regional policies and procedures.	Consistent policies and procedures for production & maintenance.
				2. WEB / Remote Access Security Review	\$2,500 Over .5 years	.5 years					
Applications assisting MPLIS end users	1. Coordinate with Web Application Development to minimize desktop development.	Unknown	Contigent on Project 1 to produce base map	1. Public Awareness & Training Campaign	\$2,000 Over 2 years	2 years	1. Upgrade existing desktop and customer counter application.	Funded by Clackamas County	On-going as technologies change	Coordinate consistent application development.	Easy access by business and public MPLIS users.
				2. Remote Access / Public Access	\$2,500 Over 2 years	2 years	2. Develop customer counter applications for self service and for locating in other public buildings	\$25,000	2001		
Web Access for MPLIS end users	1. Web application development for county, region and public use.	Unknown	Contigent on Project 1 to produce base map	3. 'GeoLink Engine' Distributed Map/Image Retrieval System	\$5,000 Over 2 years	2 years	1. Development and enhancement of the County's CMAP IMS.	Funded by Clackamas County	On-going	Coordinate development of Web access tools.	Integrated Web access to cadastral base maps.
				1. 'AddMapper' Centralized Address Maintenance Database	\$12,000 Over 3 years	3 years	2. Develop Assessor's web site to access tax lot maps and data.	Funded by Clackamas County	2000		
Development of additional MPLIS Layers	1. Survey Image Project.	approx \$30,000 Analyst	6 months				1. Rectify layers to new tax lot base.	\$500 per layer average	On-going until project 1 completed. Estimated number of layers 25	Overlay other Gov. data layers on the cadastral base.	Full-featured MPLIS for users in the region.
	2. Demographic data book.	approx \$50,000 Analyst	6 to 12months	1. 'PSGDA' Public Safety Graphic Display Applications	\$6,000 Over 3 years	3 years	2. Continue to develop County specific layers				
								\$5,000	Student Intern		

The R-MAP effort recognizes its vision as including the following components.

- Data Elements:** The need to establish standards for the fundamental elements to be included in the counties' cadastral base map, to insure integration into GIS applications to be used by other departments and the larger community.
- Positional Accuracy:** A plan for producing maps with accurate survey and geodetic ground control.
- Policies and Procedures** for production, maintenance, time schedules, and governmental and public access.
- Applications:** Current and anticipated GIS applications must be defined and developed in order to support the broadest spectrum of uses.
- Access and the Internet:** The Internet is expected to become the primary means of access to a county's digital maps and records.

Issues of confidentiality must be weighed against the right of public access to information when employing this new technology.

We have already begun to focus on Web Portals as a method for accessing the data.

R-MAP recognizes these components as being fundamental in the development and distribution of a statewide cadastral GIS product.

R-MAP should contribute to designing proper direction to these components.