

**Oakland County
Department of Information Technology
Project Scope and Approach**

Project Name: Land Data Warehouse Source Migration

Project ID: DJ4125SM

Leadership Group: Common Services		
Department: Management and Budget		Division: Equalization
Project Sponsor: Phil Bertolini	Date Requested: 4/28/2004	PM Customer No. 125
Request Type:	<i>New Development</i>	<i>Enhancement</i>
	<i><u>Maintenance</u></i>	<i>Customer Support</i>
IT Team Name: Data Warehouse/Access Oakland		IT Team No: J
Project Manager/Leader: Ed Sager		
Account Number:	Account Description:	Customer Name:
Grant Funded? Yes	<u>No</u>	Mandate? Yes
		<u>No</u>
Mandate Source:		

Project Goal

To modify extraction, transformation and load processes to use BS&A system as source of information instead of mainframe systems so that Land subject area of the Data warehouse will continue to be available for decision support and as a source of information for Access Oakland products by July, 2005.

Business Objective

Continue benefits of decision support capabilities
Continue revenues from Access Oakland web based products

Major Deliverables

- Gap analysis report
- Project plan for implementation
- Estimates for ongoing support and maintenance
- New ETL mappings

Approach

- Review current processes and procedures
- Gain an understanding of what is provided by BS&A system
- Perform a GAP analysis
- Recommend solutions to project sponsor
- Explore funding options
- Develop timelines and estimates for implementation
- Define roles and responsibilities for development and for ongoing maintenance and support

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- Develop and test ETL processes using standard tools (Informatica and Trillium)

Benefits

See Return on Investment (ROI) Analysis Document

Impact

Number of Users Unlimited

**Divisions Management and Budget
 Treasurer
 Clerk/Regster of Deeds
 Planning and Economic Development
 Local Assessors
 Local Treasurers
 General Public**

**Leadership Groups
 Land
 Common Services**

Risk

Business Environment Low

Technical Environment Low

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Assumptions

Staffing Resources will be available for the hours indicated per the attached project plan.
The following roles and resources' availability will be as follows:

<u>Role:</u>	<u>Name</u>	<u>Hours per Day</u>
Project Sponsor:	Phil Bertolini	As needed
Project Manager:	Ed Sager	TBD
Data Base Administrator:	TBD	TBD
Source System Expert:	TBD	TBD
Business Analyst:	TBD	TBD
Programmer/Analyst:	TBD	TBD

Facilities

- IT staff will have workspace with standard build PC

Technical

- IT staff will have access to all affected mainframe systems
- IT staff will have access to new BS&A systems
- IT staff will have access to Informatica and Trillium tools
-

Funding

-
-

Priority

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Constraints

- Informatica will be used to create/modify extraction, transformation and Load processes
- Trillium will be used for data cleansing processes

Exclusions

- Subjects areas outside of those that use as a source mainframe systems replaced by BS & A will not be included

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PROJECT PHASE AUTHORIZATION

Phase(s): All	
Total Estimated Systems Development	Hours: Cost:
Total Estimated Technical Systems	Hours: 240 Cost: \$25,620
Total Estimated DISC	Hours: 2,190 Cost: \$267,180
Total Estimated CLEMIS	Hours: Cost:
IT Systems Development Division Manager Approval:	Date:
IT Technical Systems Division Manager Approval:	Date:
IT DISC Division Manager Approval:	Date:
IT CLEMIS Division Manager Approval:	Date:
IT Resource Manager Approval:	Date:
IT Resource Manager Approval:	Date:
IT Resource Manager Approval:	Date:
IT Resource Manager Approval:	Date:
IT Resource Manager Approval:	Date:
IT Management Approval:	
Approved: Yes No	Date:
Reason:	
Project Sponsor Approval:	
Title:	Date:

PROJECT SUMMARY

Authorized Development (see above)	Hours:	Cost:
Preliminary Estimated Development for Future Phases	Hours: 2430	Cost: \$292,800
Grand Total Estimated Development	Hours: 2430	Cost: \$292,800

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PROJECT COMPLETION AUTHORIZATION

Customer Acceptance of Product:	
Title:	Date:
Project Office Review:	Date:

The screenshot shows a software application window titled "[Land Data Warehouse Source Migration - Size Estimate (-10% to +50%) (Read-Only)]". The window contains a table with the following data:

Type	ID	Task Name	Guideline %	Estimated Hours	Estimate Notes
Phase	000000	PROJECT MANAGEMENT		559	
Phase	010000	INITIAL SURVEY		48	
Phase	030000	BUSINESS AREA REQUIREMENTS		144	
Phase	050000	TECHNICAL DESIGN		330	
Phase	060000-0	PROGRAMMING		1,175	
Phase	070000	IMPLEMENTATION		126	
Phase	080000	POST IMPLEMENTATION SUPPORT		48	
				2,430	

At the bottom of the window, there is a status bar with the text "Task Type not equal to Milestone" and a field labeled "NUM".

Oakland County -- Land Data Warehouse Source Migration
Return on Investment Analysis

Project Summary

Description	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Total
Benefits/Savings:							
Tangible Benefits Subtotal:	0	0	0	0	0	0	0
Cost Avoidance Subtotal:	420,000	436,800	454,272	472,443	491,341	510,994	2,785,850
Costs:							
Development Services Subtotal:	292,800	0	0	0	0	0	292,800
Hardware Subtotal:	0	0	0	0	0	0	0
Software Subtotal:	0	0	0	0	0	0	0
Infrastructure Subtotal:	0	0	0	0	0	0	0
Training Subtotal:	0	0	0	0	0	0	0
Other Subtotal:	0	0	0	0	0	0	0
Annual Statistics:							
Annual Total Savings	420,000	436,800	454,272	472,443	491,341	510,994	2,785,850
Annual Total Costs	292,800	0	0	0	0	0	292,800
Annual Return on Investment	127,200	436,800	454,272	472,443	491,341	510,994	2,493,050
Annual Costs/Savings Ratio	69.71%	0.00%	0.00%	0.00%	0.00%	0.00%	
Project Cumulative Statistics:							
Cumulative Total Savings	420,000	856,800	1,311,072	1,783,515	2,274,855	2,785,850	2,785,850
Cumulative Total Costs	292,800	292,800	292,800	292,800	292,800	292,800	292,800
Cumulative Return on Investment	127,200	564,000	1,018,272	1,490,715	1,982,055	2,493,050	2,493,050
Cumulative Cost/Savings Ratio	69.71%	34.17%	22.33%	16.42%	12.87%	10.51%	10.51%
Year Positive Payback Achieved	Year 1						Year 1
State or Federal Mandate?							
Signatures:							
Benefits Reviewed By Project Sponsor	Date: _____						
Costs (including IT Resources) Reviewed By Information Technology Project Manager	Date: _____						
Costs (including IT Resources) Reviewed By Technical Services Manager	Date: _____						

Oakland County -- Land Data Warehouse Source Migration

Return on Investment Analysis

Cost Detail

Cost Description	Project Cost Category	Budget Category/Funding Source	Unit Desc	Units	Rate per Unit	Total Cost	Annual Multiplier
IT Hours - New Development	Development Svcs					0	
IT Hours - System Maintenance	Development Svcs	TBD	HR	2,400	122	292,800	
IT Hours - Tech Services	Development Svcs		HR	30	0	0	
User Hours - PTNE/OT	Development Svcs					0	
Contractor Professional Services	Development Svcs					0	
PC System - Acquisition	Hardware					0	
PC System - Maintenance	Hardware				2,304	0	
Notebook - Acquisition	Hardware					0	
Notebook - Maintenance	Hardware				2,372	0	
Mini Notebook - Acquisition	Hardware					0	
Mini Notebook - Maintenance	Hardware				2,196	0	
Laserprinter 1 - Acquisition	Hardware					0	
Laserprinter 1 - Maintenance	Hardware				1,104	0	
Laserprinter 2 - Acquisition	Hardware					0	
Laserprinter 2 - Maintenance	Hardware				1,208	0	
Laserprinter 3 - Acquisition	Hardware					0	
Laserprinter 3 - Maintenance	Hardware				1,860	0	
Image Workstations - Acquisition	Hardware					0	
Image Workstations - Maintenance	Hardware				3,496	0	
Terminals - Acquisition	Hardware					0	
Terminals - Maintenance	Hardware				644	0	
PRTR w/TERM ID - Acquisition	Hardware					0	
PRTR w/TERM ID - Maintenance	Hardware				1,072	0	
PRTR w/o TERM ID - Acquisition	Hardware					0	
PRTR w/o TERM ID - Maintenance	Hardware				1,072	0	
PC Maintenance User Owned	Hardware				2,304	0	
Printer Maintenance User Owned	Hardware				1,072	0	
Package Software - Acquisition	Software		EA	1		0	
Package Software - Maintenance	Software		ANN	1		0	1.070
Business Objects Access	Software					0	
Term Emulation SFTW-Acquisition	Software					0	
Term Emulation SFTW-Maintenance	Software					0	
Server - Acquisition/Upgrade	Infrastructure					0	

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Return on Investment Analysis

Cost Detail

Cost Description	Project Cost Category	Budget Category/Funding Source	Unit Desc	Units	Rate per Unit	Total Cost	Annual Multiplier
Server - Maintenance	Infrastructure					0	
Server Sftwre - Acquisition/Upgrade	Infrastructure					0	
Server Sftwre - Maintenance	Infrastructure					0	
TBD	Infrastructure					0	
TBD	Infrastructure					0	
TBD	Infrastructure					0	
TBD	Infrastructure					0	
Internet Access	Infrastructure				180	0	
Project Staff Training	Training					0	
User Training	Training					0	
						0	
						0	
						0	
						0	
						0	

Oakland County -- Land Data Warehouse Source Migration

Return on Investment Analysis

Cost Detail

Cost Description	Project Cost Category	Affects Project ROI?						Potential Cost Extensions					
		Y1	Y2	Y3	Y4	Y5	Y6	Y1	Y2	Y3	Y4	Y5	Y6
IT Hours - New Development	Development Svcs												
IT Hours - System Maintenance	Development Svcs	X						292,800					
IT Hours - Tech Services	Development Svcs												
User Hours - PTNE/OT	Development Svcs												
Contractor Professional Services	Development Svcs												
PC System - Acquisition	Hardware												
PC System - Maintenance	Hardware												
Notebook - Acquisition	Hardware												
Notebook - Maintenance	Hardware												
Mini Notebook - Acquisition	Hardware												
Mini Notebook - Maintenance	Hardware												
Laserprinter 1 - Acquisition	Hardware												
Laserprinter 1 - Maintenance	Hardware												
Laserprinter 2 - Acquisition	Hardware												
Laserprinter 2 - Maintenance	Hardware												
Laserprinter 3 - Acquisition	Hardware												
Laserprinter 3 - Maintenance	Hardware												
Image Workstations - Acquisition	Hardware												
Image Workstations - Maintenance	Hardware												
Terminals - Acquisition	Hardware												
Terminals - Maintenance	Hardware												
PRTR w/TERM ID - Acquisition	Hardware												
PRTR w/TERM ID - Maintenance	Hardware												
PRTR w/o TERM ID - Acquisition	Hardware												
PRTR w/o TERM ID - Maintenance	Hardware												
PC Maintenance User Owned	Hardware												
Printer Maintenance User Owned	Hardware												
Package Software - Acquisition	Software	x						0					
Package Software - Maintenance	Software		x	x	x	x	x		0	0	0	0	0
Business Objects Access	Software												
Term Emulation SFTW-Acquisition	Software												
Term Emulation SFTW-Maintenance	Software												
Server - Acquisition/Upgrade	Infrastructure												

Cost Detail

Cost Description	Project Cost Category	Affects Project ROI?						Potential Cost Extensions					
		Y1	Y2	Y3	Y4	Y5	Y6	Y1	Y2	Y3	Y4	Y5	Y6
Server - Maintenance	Infrastructure												
Server Sftwre - Acquisition/Upgrade	Infrastructure												
Server Sftwre - Maintenance	Infrastructure												
TBD	Infrastructure												
TBD	Infrastructure												
TBD	Infrastructure												
TBD	Infrastructure												
Internet Access	Infrastructure												
Project Staff Training	Training												
User Training	Training												

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Return on Investment Analysis

Cost Summary

Cost Description	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Total
Development Services:							
IT Hours - New Development							
IT Hours - System Maintenance	292,800						292,800
IT Hours - Tech Services							
User Hours - PTNE/OT							
Contractor Professional Services							
<i>Development Services Subtotal:</i>	292,800						292,800
Hardware:							
<i>Hardware Subtotal:</i>							
Software:							
Package Software - Acquisition	0						
Package Software - Maintenance		0	0	0	0	0	
<i>Software Subtotal:</i>							
Infrastructure:							
<i>Infrastructure Subtotal</i>							
Training:							
<i>Training Subtotal:</i>							
Other:							
<i>Other Subtotal:</i>							
Costs Total:	292,800						292,800

