Project Name: Health Document Management & E-Signature System Project ID: D99161DM

Leadership Group: Fir	Leadership Group: Finance/Administration								
Department: Health &	Human Services		Division : Admin						
Project Sponsor: Leigh	h-Anne Stafford	Date Reque	sted: 2/26/18	PM Custo	mer No. 161				
Request Type: <u>New Development</u>			Enhancement	: Cı	ustomer Support				
Planned System Mainten			or Upgrade						
IT Team Name: Assess	sing and Taxation		IT Team No: 9						
Project Manager/Leade	er: Scott Kaiser								
Account Number: 96842	Account Description:	Health Admi	nistration	Customer Name:	Health				
Grant Funded? Yes	Doon bion.		ndate? ndate Source:	Yes	<u>No</u>				

Project Goal

To implement a system to store all policy, procedure, and historic documents, as well as allow recipient electronic signature of distributed materials, provide reports to show non-compliant staff within the various units, access materials as needed for FOIA requests so that we are compliant with State mandates, and potentially integrate with Accela.

Business Objective

Increase efficiency by reducing staff time on printing and filing paper documents.

Major Deliverables

- Detailed Project Plan
- Application and/or System Requirements
- End User Hardware and Software Requirements Document
- Technical Design Document
- Technical Architecture Diagram
- Training Plan
- User Acceptance Test Plan
- Implementation Plan
- Implemented document storage and dissemination solution
- Training/User Manual(s)
- Service Level Agreement
- Disaster Recovery Toolkit
- Service Center Knowledge Documents

Project Name: Health Document Management & E-Signature System Project ID: D99161DM

Approach

- Develop Detailed Project Plan
- Review current business process and conduct needs assessment with customer, ensuring current manual processes are refined and automated.
- Document system requirements
- Determine and document system architecture and diagram
- Assess User Hardware and Software Requirements
- Conduct Tech Review
- Develop Implementation Plan
- Configure new system
- Develop User Acceptance Test Plan
- Test new system
- Acquire User Acceptance Sign off
- Conduct Change Control
- Develop User Documentation, SLA, Disaster Recovery Toolkit, Service Center Knowledge Documents
- Train users on new system
- Release new system into production

Research & Analysis

Gartner Research Recommendation

- Examine e-signature use cases for business value, and consider both short- and longterm document creation, workflow and management requirements.
- Identify the jurisdictional requirements for each use case and select products that can integrate digital certificates to comply with national regulations, as needed.
- Evaluate each applicable business process to determine the need for native management and workflow capabilities, as well as integration with COTS applications (such as CRM and contract life cycle management systems) or custom-built applications via APIs.

Benefits

See Return on Investment (ROI) Analysis Document

Impact

Number of Users: 400 employees

Divisions: Health Division

Leadership Groups: Finance and Administration

Project Name: Health Document Management & E-Signature System Project ID: D99161DM

Risk

Business Environment Medium - Project will require some changes to existing business

processes.

Technical Environment Medium - Previously implemented technologies with new aspects

and/or new requirements.

Assumptions

Staffing IT Staffing: resources will be available for the hours indicated per the attached

project plan.

Other Staffing: additional staffing will be available as follows:

Role: Name Hours per Day

Project Sponsor: Leigh-Anne Stafford As Needed

Facilities

TBD

Technical

- LaserFiche will be considered as a solution for this project. Functionality would be configured under our existing enterprise license.
- Health staff would be managing document scanning or any file uploads.

Funding

Information Technology

Other

N/A

Priority

Project Name: Health Document Management & E-Signature System Project ID: D99161DM

• TBD

Constraints

N/A

Exclusions

N/A

Project Name: Health Document Management & E-Signature System Project ID: D99161DM

PROJECT PHASE AUTHORIZATION

Phase(s): All		
Total Estimated Application Services	Hours: 788	
Total Estimated Technical Systems	Hours: 94	
Total Estimated CLEMIS	Hours:	
Total Estimated Internal Services	Hours:	
IT Application Services Division Manager Approval:		Date:
IT Technical Systems Division Manager Approval:		Date:
IT CLEMIS Division Manager Approval:		Date:
IT Internal Services Division Manager Approval:		Date:
IT Management Approval:		
Approved: Yes No		Date:
Reason:		
Project Sponsor Approval:		
Title:		Date:
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PROJECT SUMMARY

Authorized Development (see above)	Hours:	
Preliminary Estimated Development for Future Phases	Hours:	
Grand Total Estimated Development	Hours: 882	Cost: \$145,530

Project Name: Health Document Management & E-Signature System Project ID: D99161DM

PROJECT COMPLETION AUTHORIZATION

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

Health Doc Management & E-Signature System - Size Estimate (+/- 10% to 50%)

1	Туре	ID	Task Name	Estimated	Estimate Notes
2				Hours	
3	3	000000	PROJECT MANAGEMENT	243	
4	Phase	100000	DEVELOP RFP & SELECT VENDOR		
5	Phase	200000	BUSINESS REQUIREMENTS	123	
6	Phase	300000	DESIGN SYSTEM ARCHITECTURE	136	
7	Phase	400000	IMPLEMENT VENDOR APPLICATION	231	
8	Phase	500000	IMPLEMENTATION PHASE	112	
9	Phase	600000	POST IMPLEMENTATION SUPPORT	37	
10				882	

As Of: 2/26/18

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:	2,710	2,710	2,710	2,710	2,710	2,710	16,260
Cost Avoidance Subtotal:	56,789	57,925	59,083	60,265	61,470	62,700	358,232
Costs:			·				,
Development Services Subtotal:	147,410	5,610	12,210	5,610	12,210	5,610	188,660
Hardware Subtotal:	0	0	0	0	0	0	0
Software Subtotal:	140,000	140,000	140,000	140,000	140,000	140,000	840,000
Infrastructure Subtotal	1,902	1,902	1,902	1,902	1,902	1,902	11,412
Training Subtotal:	0	0	0	0	0	0	0
Other Subtotal:	0	0	0	0	0	0	0
Annual Statistics:							
Annual Total Savings	59,499	60,635	61,793	62,975	64,180	65,410	374,492
Annual Total Costs	289,312	147,512	154,112	147,512	154,112	147,512	1,040,072
Annual Return on Investment	(229,813)	(86,877)	(92,319)	(84,537)	(89,932)	(82,102)	(665,580)
Annual Costs/Savings Ratio	486.25%	243.28%	249.40%	234.24%	240.12%	225.52%	(000,000)
Project Cumulative Statistics:							
Cumulative Total Savings	59,499	120,134	181,927	244,902	309,082	374,492	374,492
Cumulative Total Costs	289,312	436,824	590,936	738,448	892,560	1,040,072	1,040,072
Cumulative Return on Investment	(229,813)	(316,690)	(409,009)	(493,546)	(583,478)	(665,580)	(665,580)
Cumulative Cost/Savings Ratio	486.25%	363.61%	324.82%	301.53%	288.78%	277.73%	277.73%
Year Positive Payback Achieved							NO PAYBACK
State or Federal Mandate?							
Signatures:							
Benefits Reviewed By Project Sponsor				Date:			
Costs (including IT Resources) Reviewed By							
Information Technology Project Manager				Date:			

Savings Detail

	Project Savings		Unit		Rate per		Annual
Benefit/Savings Description	Category	Budget Category/Funding Source	Desc	Units	Unit	Total Savings	Multiplier
Elimination of Lektriever	Tangible Benefit			5	100	500	
Office supplies reduction (file folders,							
binders, jump drives)	Tangible Benefit			2,000	1	2,000	
Reduction in file boxes sent to Record							
Retention	Tangible Benefit			30	7	210	
Elimination of time spent on locating							
correctly or incorrectly filed documents.							
This time will be adjusted to another							
project. (4,000 FOIA's at 20 minutes							
FOIA)	Cost Avoidance			1,333	25	33,325	1.020
Provides instant access for							
administration to view documentation							
instead of waiting for the paperwork to							
be retrieved, copied and delivered	Intangible Benefit					0	1.020
Labor savings in EH staff time to locate							
documents in Lektreiver	Cost Avoidance			104	20	2,080	1.020
Clerical time to pull files from							
Lektriever, scan, attach to E-Health,							
then refile	Cost Avoidance			1,040	20	20,592	1.020
The Lekrievers are old and the							
automatic feature to move the files							
breaks causing staff to hand-crank the							
shelves to find files which is physically							
tiring and takes double the time.	Cost Avoidance			40	20	792	1.020
						0	
		<u> </u>	<u> </u>			0	

Savings Detail

		Affects Project ROI?					OI?		Po	tential Savir	ngs Extensio	ns	
Benefit/Savings Description	Project Savings Category	Y1	Y2	Y 3	Y 4	Y5	Y6	Y1	Y2	Y3	Y4	Y5	Y6
Elimination of Lektriever	Tangible Benefit	Х	Χ	Χ	Χ	Χ	Х	500.00	500.00	500.00	500.00	500.00	500
Office supplies reduction (file folders, binders, jump drives)	Tangible Benefit	Х	Х	Χ	Х	Х	Х	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00	2,000
Reduction in file boxes sent to Record Retention	Tangible Benefit	Х	Х	Х	Х	Х	Х	210.00	210.00	210.00	210.00	210.00	210
Elimination of time spent on locating correctly or incorrectly filed documents. This time will be adjusted to another project. (4,000 FOIA's at 20 minutes													
FOIA)	Cost Avoidance	х	х	х	х	х	х	33,325.00	33,991.50	34,671.33	35,364.76	36,072.05	36,793
Provides instant access for administration to view documentation instead of waiting for the paperwork to													
be retrieved, copied and delivered	Intangible Benefit					İ	1						
Labor savings in EH staff time to locate documents in Lektreiver Clerical time to pull files from	Cost Avoidance	х	х	х	х	х	х	2,080.00	2,121.60	2,164.03	2,207.31	2,251.46	2,296
Lektriever, scan, attach to E-Health, then refile	Cost Avoidance	х	х	х	х	х	x	20,592.00	21,003.84	21,423.92	21,852.40	22,289.44	22,735
The Lekrievers are old and the automatic feature to move the files breaks causing staff to hand-crank the shelves to find files which is physically													
tiring and takes double the time.	Cost Avoidance	х	х	х	х	х	х	792.00	807.84	824.00	840.48	857.29	874
					<u> </u>		<u> </u>						

As Of: 2/26/18

Return on Investment Analysis

Savings Summary

Benefit/Savings Description	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Total
Tangible Benefit:							
Elimination of Lektriever	500	500	500	500	500	500	3,000
Office supplies reduction (file folders,							-
binders, jump drives)	2,000	2,000	2,000	2,000	2,000	2,000	12,000
Reduction in file boxes sent to Record							
Retention	210	210	210	210	210	210	1,260
Tangible Benefits Subtotal:	2,710	2,710	2,710	2,710	2,710	2,710	16,260
Cost Avoidance:							
Elimination of time spent on locating							
correctly or incorrectly filed documents. This							
time will be adjusted to another project.							
(4,000 FOIA's at 20 minutes FOIA)	33,325	33,992	34,671	35,365	36,072	36,793	210,218
Labor savings in EH staff time to locate							
documents in Lektreiver	2,080	2,122	2,164	2,207	2,251	2,296	13,121
Clerical time to pull files from Lektriever,							
scan, attach to E-Health, then refile	20,592	21,004	21,424	21,852	22,289	22,735	129,897
The Lekrievers are old and the automatic							
feature to move the files breaks causing staff							
to hand-crank the shelves to find files which							
is physically tiring and takes double the time.	792	808	824	840	857	874	4,996
Cost Avoidance Subtotal:	56,789	57,925	59,083	60,265	61,470	62,700	358,232
Intangible Benefit:							
Provides instant access for administration to							
view documentation instead of waiting for							
the paperwork to be retrieved, copied and							
delivered							
Savings Total:	59,499	60,635	61,793	62,975	64,180	65,410	374,492

Return on Investment Analysis

								Af	fect	s Pro	oiec	t RC	l ?
	Project Cost	Budget Category/Funding	Unit		Rate per		Annual				_		
Cost Description	Category	Source	Desc	Units	Unit	Total Cost	Multiplier	Y1	Y2	Y3	Y4	Y5	Y6
IT Hours - New Development	Development Svcs		HR	882	165	145,530		Х		\Box			
IT Hours - System Maintenance	Development Svcs		HR	10	165	1,650			Х	Х	Х	Х	Х
IT Hours - Customer Support	Development Svcs		HR	24	165	3,960			Х	Х	Х	Х	Х
IT Hours - Planned Maintenance	Development Svcs		HR	40	165	6,600				Х	ļ	Х	
User Hours - New Development	Development Svcs					0					ļ	. ;	
User Hours - PTNE/OT	Development Svcs					0							
Contractor Professional Services	Development Svcs		HR	10	188	1,880		Х					
PC System - Acquisition	Hardware				814	0					Ī		
PC System - Maintenance	Hardware				2,304	0					ļ		
Notebook - Acquisition	Hardware				1,223	0							
Notebook - Maintenance	Hardware				2,372	0							
Tablet Notebook - Acquisition	Hardware				2,012	0					ļ	. ;	
Tablet Notebook - Maintenance	Hardware					0							
Laserprinter - Acquisition	Hardware				1,432	0							
Laserprinter - Maintenance	Hardware				1,104	0							
Image Workstations - Acquisition	Hardware					0					ļ	. [
Image Workstations - Maintenance	Hardware				3,496	0							
PC Maintenance User Owned	Hardware				2,304	0							
Printer Maintenance User Owned	Hardware				1,072	0					Ţ	į	
File Space (100GB)	Hardware		ANN		173	0							
Internet Bandwidth per MB	Hardware		ANN		750	0					Ī		
Package Software - Acquisition	Software		EA	400	350	140,000		Х					
Package Software - Maintenance	Software		EA	400	350	140,000			Х	Х	Х	Х	Х
Business Objects Access	Software					0					Ţ		
Term Emulation SFTW-Acquisition	Software					0							
Term Emulation SFTW-Maintenance	Software					0					Ţ	į	
Server - Acquisition/Upgrade	Infrastructure				8,000	0							
	Infrastructure				360	0							
Server Sftwre - Acquisition/Upgrade	Infrastructure				335	0					Ī		
Server Sftwre - Maintenance	Infrastructure					0					ļ	. [
Server Rack Mount	Infrastructure				400	0							
Oracle Enterprise Per Processor -											ļ		
Includes Year 1 Maintenance	Infrastructure				21,372	0				i İ	ļ	, į	
Oracle Enterprise Per Processor - Year											ļ		
2 and Beyond	Infrastructure				3,432	0							

								Af	ect	s Pro	ojec	t RC	1?
	Project Cost	Budget Category/Funding	Unit		Rate per		Annual				_		
Cost Description	Category	Source	Desc	Units	Unit	Total Cost	Multiplier	Y1	Y2	Y3	Y4	Y5	Y6
SQL Server Enterprise - Per Processor											ł		
(4 cores) - Purchased Sept 2016-Aug									ļ		!	. !	
2017 - Includes Maintenance thru Aug								li			į	. !	
2019	Infrastructure				24,533	0		li			į	į	
SQL Server Enterprise - Per Processor								i		Î	Î	į	
(4 cores) - Purchased Sept 2017-Aug													
2018 - Includes Maintenance thru Aug								li			į	. !	1
2019	Infrastructure				20,759	0		li			į	į	
SQL Server Enterprise - Per Processor													
(4 cores) - Purchased Sept 2018-Aug								li			į	. !	
2019 - Includes Maintenance thru Aug								li			į	į	
2019	Infrastructure				16,985	0		li			İ	į	
SQL Server Enterprise - Maintenance,								i			i	, ;	
Per Processor (4 cores) - Sept 2019											į		
and Beyond	Infrastructure				4,218	0		li			į	į	
SQL Server Standard - Per Processor											İ		
(4 cores) - Purchased Sept 2016-Aug											ļ	. !	
2017 - Includes Maintenance thru Aug								li			į	į	
2019	Infrastructure				6,398	0		İ			į	į	
SQL Server Standard - Per Processor								i			į		
(4 cores) - Purchased Sept 2017-Aug								li			į	. !	
2018 - Includes Maintenance thru Aug								li			į	į	1
2019	Infrastructure				5,414	0		İ			į	į	
SQL Server Standard - Per Processor								İ			l		
(4 cores) - Purchased Sept 2018-Aug								li			į	į	1
2019 - Includes Maintenance thru Aug								li			İ	. !	1
2019	Infrastructure				4,429	0		li			į		
SQL Server - Standard Maintenance,											İ		
Per Processor (4 cores) - Sept 2019											į	, !	
1 1	Infrastructure				1,100	0					į	. !	
Websphere Basic Per Processor											į		
Single/Dual Core - Includes Year 1											ļ	,	
Maintenance	Infrastructure				3,506	0		╚	_		_		

		I						Af	fect	s Pro	ojec	t RO	i ?
	Project Cost	Budget Category/Funding	Unit		Rate per		Annual	ŀ					
Cost Description	Category	Source	Desc	Units	Unit	Total Cost	Multiplier	Y1	Y2	Y3	Y4	Y5	Y6
Websphere Basic Per Processor					704						ļ	. !	
J -	Infrastructure				701	0				<u> </u>			
Websphere ND Per Processor								li		i i	į	, į	
Single/Dual Core - Includes Year 1						_		İ		i i	į	. !	
Maintenance	Infrastructure				13,180	0		į		<u> </u>	;	,	
Mahanhara ND Dar Dragger								İ		i i	į		
Websphere ND Per Processor Single/Dual Core - Year 2 and Beyond	Infrastructure				2.625	0				1	į		
SSL Certificate					2,635	0		l i		H	į		
Internet Access	Infrastructure				845	0		l i		⊢ i	j		
	Infrastructure				180	0				 	—-j	, 	
Imperva Web Application Firewall					500	•					ļ		
(External Web Applications Only)	Infrastructure		ANN		500	0		i					
App Code Directories on Consolidated								li		1 İ	į	. !	
IIS Server (Virtual)	Infrastructure		ANN		415	0		i		<u> </u>	į		
Database (5 GB) on Consolidated SQL										i 1	ļ	. !	
	Infrastructure		ANN		930	0		l i		<u> </u>		i	
Database Instance (125 GB DB) on						_		li		1 İ	į	. !	
	Infrastructure		ANN		2,395	0		į		1			
Database SQL Maint Server	Infrastructure		ANN		834	0		į		<u> </u>	;		
Database SQL Server Physical	Infrastructure		ANN		19,158	0					;		
DB Maintenance (Annual Cycle \$610)	Infrastructure		ANN		610	0		į				i	
DB Maintenance (Semi-Annual Cycle								li		1 İ	į	. !	
\$1220)	Infrastructure		ANN		1,220	0		i		Ш	j		
DB Maintenance (Semi-Annual Cycle													
\$2440)	Infrastructure		ANN		2,440	0		i					
Dedicated Virtual Server	Infrastructure		ANN		4,150	0					į		
DB Instance Setup	Infrastructure				976	0		į					
DBA MS SQL Database Creation on								ŀ			ļ	. !	
Exisitng Instance	Infrastructure				366	0		į					
										T	Ţ	, T	
Extra Small - 2 Core 8GB RAM, 500GB								İ		į į	į	. [
Drive, 10 GB NIC - Cloud/Virtual = \$601										<u> </u>	ļ	. !	
On Premise Physical Server = N/A	Infrastructure		ANN			0				<u>i</u>	i	<u>i</u>	

As Of: 2/26/18

Return on Investment Analysis

								Af	fect	s Pr	ojec	t RC) ?
Cost Description	Project Cost Category	Budget Category/Funding Source	Unit Desc	Units	Rate per Unit	Total Cost	Annual Multiplier	Y 1	Y2	Y 3	Y4	Y5	Y6
Small - 4 Core 16GB RAM, 500GB Drive, 10 GB NIC - Cloud/Virtual = \$951			ANINI		054	4 000							
On Premise Physical Server = \$9,288 Medium - 8 Core 32GB RAM, 500GB	Infrastructure		ANN		951	1,902		Х	Х	Х	Х	Х	Х
Drive, 10 GB NIC - Cloud/Virtual = \$1,702 On Premise Physical Server =	Infrastructure		ANN			0							
Large - 16 Core 64GB RAM, 500GB Drive, 10 GB NIC - Cloud/Virtual = \$3,167 On Premise Physical Server =	Infrastructure		ANN			0							
Extra Large - 40 Core 160GB RAM, 500GB Drive, 10 GB NIC - Cloud/Virtual = \$7,564 On Premise Physical Server = \$12,906	Infrastructure		ANN			0							

				Potential Cos	st Extensions		
	Project Cost						
Cost Description	Category	Y1	Y2	Y3	Y4	Y5	Y6
IT Hours - New Development	Development Svcs	145,530.00					
IT Hours - System Maintenance	Development Svcs		1,650.00	1,650.00	1,650.00	1,650.00	1,650.00
IT Hours - Customer Support	Development Svcs		3,960.00	3,960.00	3,960.00	3,960.00	3,960.00
IT Hours - Planned Maintenance	Development Svcs			6,600.00		6,600.00	
User Hours - New Development	Development Svcs						
User Hours - PTNE/OT	Development Svcs						
Contractor Professional Services	Development Svcs	1,880.00					
PC System - Acquisition	Hardware						
PC System - Maintenance	Hardware						
Notebook - Acquisition	Hardware						
Notebook - Maintenance	Hardware						
Tablet Notebook - Acquisition	Hardware						
Tablet Notebook - Maintenance	Hardware						
Laserprinter - Acquisition	Hardware						
Laserprinter - Maintenance	Hardware						
Image Workstations - Acquisition	Hardware						
Image Workstations - Maintenance	Hardware						
PC Maintenance User Owned	Hardware						
Printer Maintenance User Owned	Hardware						
File Space (100GB)	Hardware						
Internet Bandwidth per MB	Hardware						
Package Software - Acquisition	Software	140,000.00					
Package Software - Maintenance	Software		140,000.00	140,000.00	140,000.00	140,000.00	140,000.00
Business Objects Access	Software						
Term Emulation SFTW-Acquisition	Software						
Term Emulation SFTW-Maintenance	Software						
Server - Acquisition/Upgrade	Infrastructure						
Server - Maintenance	Infrastructure						
Server Sftwre - Acquisition/Upgrade	Infrastructure						
Server Sftwre - Maintenance	Infrastructure						
Server Rack Mount	Infrastructure						
Oracle Enterprise Per Processor -							
Includes Year 1 Maintenance	Infrastructure						
Oracle Enterprise Per Processor - Year							
2 and Beyond	Infrastructure						

Return on Investment Analysis

		Potential Cost Extensions						
	Project Cost			<u> </u>		! !		
Cost Description	Category	Y1	Y2	Y3	Y4	Y5	Y6	
SQL Server Enterprise - Per Processor				:	I I	1		
(4 cores) - Purchased Sept 2016-Aug						•		
2017 - Includes Maintenance thru Aug				•				
2019	Infrastructure			İ				
SQL Server Enterprise - Per Processor								
(4 cores) - Purchased Sept 2017-Aug								
2018 - Includes Maintenance thru Aug				•				
2019	Infrastructure			İ				
SQL Server Enterprise - Per Processor				<u> </u>		(! !		
(4 cores) - Purchased Sept 2018-Aug								
2019 - Includes Maintenance thru Aug				İ				
2019	Infrastructure							
SQL Server Enterprise - Maintenance,				!				
Per Processor (4 cores) - Sept 2019								
and Beyond	Infrastructure			•				
SQL Server Standard - Per Processor				i ! !	î I	î ! !		
(4 cores) - Purchased Sept 2016-Aug								
2017 - Includes Maintenance thru Aug				•				
2019	Infrastructure			į				
SQL Server Standard - Per Processor					1 1	<u> </u>		
(4 cores) - Purchased Sept 2017-Aug								
2018 - Includes Maintenance thru Aug				İ				
2019	Infrastructure				 			
SQL Server Standard - Per Processor								
(4 cores) - Purchased Sept 2018-Aug				İ				
2019 - Includes Maintenance thru Aug						i ! !		
2019	Infrastructure							
SQL Server - Standard Maintenance,				į		į		
Per Processor (4 cores) - Sept 2019								
and Beyond	Infrastructure							
Websphere Basic Per Processor								
Single/Dual Core - Includes Year 1				İ				
Maintenance	Infrastructure			! !				

Return on Investment Analysis

				Potential Co	st Extensions		
Ocat Decembring	Project Cost	V4	\/O	V0	V4	VE	V.C
Cost Description	Category	Y1	Y2	Y3	Y4	Y5	Y6
W. L. L. B. : B. B			į	į	į		
Websphere Basic Per Processor	l						
Single/Dual Core - Year 2 and Beyond	Infrastructure		<u> </u>		! !	<u> </u>	
Websphere ND Per Processor			į		İ	į	
Single/Dual Core - Includes Year 1	l		ļ	İ			
Maintenance	Infrastructure		!	!	!	!	
				•			
Websphere ND Per Processor	l						
Single/Dual Core - Year 2 and Beyond	Infrastructure		<u> </u>		ļ 		
SSL Certificate	Infrastructure						
Internet Access	Infrastructure				<u> </u>	<u> </u>	
Imperva Web Application Firewall			ļ	•	•		
(External Web Applications Only)	Infrastructure						
App Code Directories on Consolidated			ļ	İ			
IIS Server (Virtual)	Infrastructure				! !	! ! !	
Database (5 GB) on Consolidated SQL							
Instance Server	Infrastructure		<u> </u>				
Database Instance (125 GB DB) on							
Consolidated SQL Server	Infrastructure		!	!	-	}]
Database SQL Maint Server	Infrastructure						
Database SQL Server Physical	Infrastructure		!				
DB Maintenance (Annual Cycle \$610)	Infrastructure						
DB Maintenance (Semi-Annual Cycle			-	1			
\$1220)	Infrastructure						
DB Maintenance (Semi-Annual Cycle			i i	i i			
\$2440)	Infrastructure		ļ	İ			
Dedicated Virtual Server	Infrastructure			!	!	1 1 1	
DB Instance Setup	Infrastructure						
DBA MS SQL Database Creation on			!	!			
Exisitng Instance	Infrastructure				ļ		
Extra Small - 2 Core 8GB RAM, 500GB			į	į			
Drive, 10 GB NIC - Cloud/Virtual = \$601			!	!			! !
On Premise Physical Server = N/A	Infrastructure						

				Potential Cos	t Extensions		
Cost Description	Project Cost Category	Y1	Y2	Y3	Y4	Y5	Y6
Small - 4 Core 16GB RAM, 500GB							
Drive, 10 GB NIC - Cloud/Virtual = \$951							
On Premise Physical Server = \$9,288	Infrastructure	1,902.00	1,902.00	1,902.00	1,902.00	1,902.00	1,902.00
Medium - 8 Core 32GB RAM, 500GB							
Drive, 10 GB NIC - Cloud/Virtual =							
\$1,702 On Premise Physical Server =							
\$9,751	Infrastructure						
Large - 16 Core 64GB RAM, 500GB							
Drive, 10 GB NIC - Cloud/Virtual =							
\$3,167 On Premise Physical Server =							
\$10,446	Infrastructure						
Extra Large - 40 Core 160GB RAM,							
500GB Drive, 10 GB NIC - Cloud/Virtual							
= \$7,564 On Premise Physical Server =							
\$12,906	Infrastructure						

As Of: 2/26/18

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	145,530						145,530
IT Hours - System Maintenance		1,650	1,650	1,650	1,650	1,650	8,250
IT Hours - Customer Support		3,960	3,960	3,960	3,960	3,960	19,800
IT Hours - Planned Maintenance			6,600		6,600		13,200
User Hours - New Development							•
User Hours - PTNE/OT							
Contractor Professional Services	1,880						1,880
Development Services Subtotal:	147,410	5,610	12,210	5,610	12,210	5,610	188,660
Hardware:	,	,	,	,	,	,	
Hardware Subtotal:							
Software:							
Package Software - Acquisition	140,000						140,000
Package Software - Maintenance		140,000	140,000	140,000	140,000	140,000	700,000
Software Subtotal:	440.000	440,000	440.000	140,000	440,000	440,000	0.40.000
	140,000	140,000	140,000	140,000	140,000	140,000	840,000
Infrastructure:							
Small - 4 Core 16GB RAM, 500GB Drive, 10							
GB NIC - Cloud/Virtual = \$951 On Premise	4.000	4.000	4 000	4 000	4 000	4.000	44 440
Physical Server = \$9,288	1,902	1,902	1,902	1,902	1,902	1,902	11,412
Infrastructure Subtotal	1,902	1,902	1,902	1,902	1,902	1,902	11,412
Training:	1,002	1,002	1,002	1,002	1,002	1,002	,
Training.							
Training Subtotal:							
Other:							
Other Subtotal:	200 045	4.45 5.46	4=4.45	4.77.746	4	1.15	
Costs Total:	289,312	147,512	154,112	147,512	154,112	147,512	1,040,072

As Of: 2/26/18

REV: January 22, 2018

Return on Investment Analysis

Assumptions

Date	Assumption Description
26-Feb-18	The rental for a lektriever is \$400 per year
	FOIA Coordinator receives approximately 4,000 FOIA a year and takes approximately 20 minutes per FOIA to check all hardcopy and
	electronic locations.
	EH (all sans) spend a total of a 1 hour a week in each office looking for documents in the lektriever
26-Feb-18	CSU staff spend a total of 10 hours each week in each office pulling files, scanning and refiling in the lektriever system
	When the lektriever breaks, avg a few times a year due to age of equipment, staff double the amount of time to pull files by hand-cranking
	the lektriever for files. Estimated an additionl 10 hours of work during each break with 4 breaks per year
	Customer support hours were based off of existing estimates and considered exclusive to this new functionality.
	No custome coding needed, assuming QA and PROD only environments
06-Jun-18	Server storage would need to be purchased and is not part of the \$350/yr/user cost.

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