Project Name: Health Kiosk Replacement Project ID: D99161KR

Leadership Group: Fina	ance and Administ	ration				
Department: Health and	Human Services			Division: Admin		
Project Sponsor: Leigh-			eque	sted: 2/26/18	PM Custome	er No . 161
Request Type: <u>New Development</u>			Enhancement	Cust	tomer Support	
Planned System Mai		n Mainten	ance	or Upgrade		
IT Team Name: Assessi	ng and Taxation			IT Team No: 9		
Project Manager/Leader	: Scott Kaiser					
Account Number: 96842	Account Description:	Health .	Admi	nistration	Customer Name:	Health
Grant Funded? Yes	<u>No</u>		Mai	ndate?	Yes	<u>No</u>
			Mai	ndate Source:		

Project Goal

To implement a one stop kiosk for Public Health (STD, immunizations, etc.) and Environmental (well, septic, water testing) services so that public facing apps are centralized and integrated into a single service and self-registration location and will allow walk-in appointments, text notification appointment updates, notices for test result availability, and appointment reminders.

Business Objective

Allow clients to register and receive notifications through one system that will integrate with clinic and Environmental Health (EH) products and enhance our ability to communicate with clients on wait times and services.

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 self-service solution
- Training/User Manual(s)
- Application Code
- Service Level Agreement
- Disaster Recovery Toolkit
- Service Center Knowledge Documents

Project Name: Health Kiosk Replacement Project ID: D99161KR

Approach

- 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
- Order hardware and software if needed
- Develop Implementation Plan
- Implement 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
- Retire existing hardware

Research & Analysis

Gartner Research Recommendation

Gartner identified a prioritized action plan for the future state of health care providers. Kiosks were given a low priority, meaning they are important and should be implemented. However, the deployment is not critical in the early years of the organizations plan. In general, they are an operational tool beneficial for improving customer experience.

Benefits

See Return on Investment (ROI) Analysis Document

<u>Impact</u>

Number of Users: In 2017 over 27,660 clients received clinic services that required kiosk registration. Including EH services would increase this number on a yearly basis.

Divisions: Health Division

Leadership Groups: Finance and Administration

Project Name: Health Kiosk Replacement Project ID: D99161KR

Risk

Business Environment High - Project will dramatically change existing business

processes or will negatively affect the business environment if

implementation is unsuccessful.

Technical Environment High - New or non-standard technology.

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

None

Technical

None

Funding

Information Technology

Other

N/A

Priority

Project Name: Health Kiosk Replacement Project ID: D99161KR

• TBD

Constraints

N/A

Exclusions

N/A

Project Name: Health Kiosk Replacement Project ID: D99161KR

PROJECT PHASE AUTHORIZATION

Phase(s): All		
Total Estimated Application Services	Hours: 1,377	
Total Estimated Technical Systems	Hours: 344	
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:

PROJECT SUMMARY

Authorized Development (see above)	Hours:
Preliminary Estimated Development for Future Phases	Hours:
Grand Total Estimated Development	Hours: 1,721 Cost: \$283,965

Project Name: Health Kiosk Replacement Project ID: D99161KR

PROJECT COMPLETION AUTHORIZATION

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

Health Kiosk Replacement - Size Estimate (+/- 10% to 50%)

1	Туре	ID	Task Name	Estimated	Estimate Notes
2				Hours	
3	3	000000	PROJECT MANAGEMENT	466	
4	Phase	100000	DEVELOP RFP & SELECT VENDOR	351	
5	Phase	200000	BUSINESS REQUIREMENTS		
6	Phase	300000	DESIGN SYSTEM ARCHITECTURE	125	
7	Phase	400000	IMPLEMENT VENDOR APPLICATION	560	
8	Phase	500000	IMPLEMENTATION PHASE	99	
9	Phase	600000	POST IMPLEMENTATION SUPPORT	120	
10				1,721	

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:	49,692	50,686	51,700	52,734	53,788	54,864	313,463
Costs:							
Development Services Subtotal:	283,965	11,550	18,150	11,550	18,150	11,550	354,915
Hardware Subtotal:	36,000	0	0	0	0	0	36,000
Software Subtotal:	60,000	6,000	6,000	6,000	6,000	6,000	90,000
Infrastructure Subtotal	5,641	4,543	4,543	4,543	4,543	4,543	28,356
Training Subtotal:	0	0	0	0	0	0	0
Other Subtotal:	0	0	0	0	0	0	0
Annual Statistics:							
Annual Total Savings	49,692	50,686	51,700	52,734	53,788	54,864	313,463
Annual Total Costs	385,606	22,093	28,693	22,093	28,693	22,093	509,271
Annual Return on Investment	(335,914)	28,593	23,007	30,641	25,095	32,771	(195,808)
Annual Costs/Savings Ratio	775.99%	43.59%	55.50%	41.90%	53.34%	40.27%	(100,000)
Project Cumulative Statistics:							
Cumulative Total Savings	49,692	100,378	152,077	204,811	258,599	313,463	313,463
Cumulative Total Costs	385,606	407,699	436,392	458,485	487,178	509,271	509,271
Cumulative Return on Investment	(335,914)	(307,321)	(284,315)	(253,674)	(228,579)	(195,808)	(195,808)
Cumulative Cost/Savings Ratio	775.99%	406.16%	286.95%	223.86%	188.39%	162.47%	162.47%
Year Positive Payback Achieved							NO PAYBACK
State or Federal Mandate?							
Signatures:							
Benefits Reviewed By Project Sponsor				Date:			
Benefits Reviewed by Project Sporisor				Date.			
Out (in the line IT December 2) Decimal 12							
Costs (including IT Resources) Reviewed By Information Technology Project Manager				Date:			

Return on Investment Analysis

Savings Detail

Benefit/Savings Description	Project Savings Category	Budget Category/Funding Source	Unit Desc	Units	Rate per Unit	Total Savings	Annual Multiplier
Aging hardware and extensive use of							
the system requires replacement of							
expensive parts, new device would							
	Cost Avoidance		EA	9	1,916	17,244	1.020
Health User Support Specialists							
conduct analysis of the units each time							
they have an error.	Cost Avoidance		HR	520	33	17,160	1.020
IT CRM and Developer must manage all aspects of the project from working with two separate vendors, Health Division staff and Workstation services. Allow clients to register for a variety of	Cost Avoidance		HR	104	147	15,288	1.020
services that will integrate with new project management software system. One streamlined process for clients and staff.	Intangible Benefit					0	
	_					0	
						0	
						0	
						0	

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Return on Investment Analysis

Savings Detail

		A	Affects Project ROI? Potential Savings Extensions										ns	1
Benefit/Savings Description	Project Savings Category	Y1	Y2	Y3	Y4	1 Y	'5 `	Y6	Y1	Y2	Y 3	Y4	Y5	Y6
Aging hardware and extensive use of the system requires replacement of expensive parts, new device would eleminate this continuous problem. Health User Support Specialists	Cost Avoidance	Х	Х	Х	Х	Х	>	X	17,244.00	17,588.88	17,940.66	18,299.47	18,665.46	19,039
conduct analysis of the units each time they have an error.	Cost Avoidance	Х	Х	Х	Х	Х)	Χ	17,160.00	17,503.20	17,853.26	18,210.33	18,574.54	18,946
IT CRM and Developer must manage all aspects of the project from working with two separate vendors, Health Division staff and Workstation services.	Cost Avoidance	x	x	x	x	x	×	ζ.	15,288.00	15,593.76	15,905.64	16,223.75	16,548.22	16,879
Allow clients to register for a variety of services that will integrate with new project management software system. One streamlined process for clients and staff.	Intangible Benefit								·	,	·	,	,	,

Return on Investment Analysis

Savings Summary

Benefit/Savings Description	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Total
Tangible Benefit:							
Tangible Benefits Subtotal:							
Cost Avoidance:							
Aging hardware and extensive use of the							
system requires replacement of expensive							
parts, new device would eleminate this							
continuous problem.	17,244	17,589	17,941	18,299	18,665	19,039	108,777
Health User Support Specialists conduct							
analysis of the units each time they have an							
error.	17,160	17,503	17,853	18,210	18,575	18,946	108,247
IT CRM and Developer must manage all							
aspects of the project from working with two							
separate vendors, Health Division staff and							
Workstation services.	15,288	15,594	15,906	16,224	16,548	16,879	96,439
Cost Avoidance Subtotal:	49,692	50,686	51,700	52,734	53,788	54,864	313,463
Intensible Pensit	,	,	,	,	,	,	,
Intangible Benefit: Allow clients to register for a variety of							
services that will integrate with new project							
management software system. One							
streamlined process for clients and staff.							
Succession of officers and staff.							
Savings Total:	49,692	50,686	51,700	52,734	53,788	54,864	313,463

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Return on Investment Analysis

Cost Detail

								Af	fect	s Pr	oie	ct RC	OI?
	Project Cost	Budget Category/Funding	Unit		Rate per		Annual			1	1		<u> </u>
Cost Description	Category	Source	Desc	Units	Unit	Total Cost	Multiplier	Y 1	Y2	Υ3	Y 4	Y5	Y6
IT Hours - New Development	Development Svcs		HR	1,721	165	283,965		Х			<u> </u>		
IT Hours - System Maintenance	Development Svcs		HR	30	165	4,950					Х	Х	Х
IT Hours - Customer Support	Development Svcs		HR	40	165	6,600			Х	Х	Х	Х	Х
IT Hours - Planned Maintenance	Development Svcs		HR	40	165	6,600				Х	İ	Х	
User Hours - New Development	Development Svcs					0					1	1	
User Hours - PTNE/OT	Development Svcs					0					Ĭ	Ĭ	Ĭ
Contractor Professional Services	Development Svcs					0					I		
Kiosk Hardware - Acquisition	Hardware		EA	12	3,000	36,000		Х		Ī			
PC System - Acquisition	Hardware				814	0					1	1	Ì
PC System - Maintenance	Hardware				2,304	0					Ĭ		
Notebook - Acquisition	Hardware				1,223	0				!	İ	İ	•
Notebook - Maintenance	Hardware				2,372	0				Î	İ		•
Tablet Notebook - Acquisition	Hardware				2,012	0				!	İ	1	İ
Tablet Notebook - Maintenance	Hardware					0				1	ļ		!
Laserprinter - Acquisition	Hardware				1,432	0				!	İ	į	1
Laserprinter - Maintenance	Hardware				1,104	0					İ	ĺ	
Image Workstations - Acquisition	Hardware				-	0					İ		
Image Workstations - Maintenance	Hardware				3,496	0				İ	İ		•
PC Maintenance User Owned	Hardware				2,304	0			İ	•	į	į	<u> </u>
Printer Maintenance User Owned	Hardware				1,072	0				!	İ	1	
File Space (100GB)	Hardware		ANN		173	0				1	ļ		
Internet Bandwidth per MB	Hardware		ANN		750	0				İ	İ	Ī	
Kiosk Software - Acquisition	Software		EA	12	5,000	60,000		Х			İ	ĺ	
Kiosk Software - Annual Licensing	Software		EA	12	500	6,000			Х	Х	Х	Х	Х
Package Software - Acquisition	Software					0				İ	İ	İ	!
Package Software - Maintenance	Software					0			İ	•	į	į	•
Business Objects Access	Software					0				İ	İ	İ	
Term Emulation SFTW-Acquisition	Software					0				1	İ		
Term Emulation SFTW-Maintenance	Software					0				İ			<u> </u>
Server - Acquisition/Upgrade	Infrastructure				8,000	0			Ì	1	1		Î
Server - Maintenance	Infrastructure				360	0					Į		
Server Sftwre - Acquisition/Upgrade	Infrastructure				335	0				!	İ	<u> </u>	
Server Sftwre - Maintenance	Infrastructure					0			İ	1	Ī	1	\Box
Server Rack Mount	Infrastructure				400	0				Î	İ		

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Cost Detail

								Af	fect	s Pro	ojec	t RO	l?
	Project Cost	Budget Category/Funding	Unit		Rate per		Annual				Ī	i	
Cost Description	Category	Source	Desc	Units	Unit	Total Cost	Multiplier	Y1	Y2	Y3	Y4	Y5	Y6
Oracle Enterprise Per Processor -											ŀ	T	
Includes Year 1 Maintenance	Infrastructure				21,372	0					į	į	
Oracle Enterprise Per Processor - Year											i		
2 and Beyond	Infrastructure				3,432	0					į	į	
SQL Server Enterprise - Per Processor											ĺ		
(4 cores) - Purchased Sept 2016-Aug											i	į	
2017 - Includes Maintenance thru Aug											İ	į	
2019	Infrastructure				24,533	0					į	į	
SQL Server Enterprise - Per Processor											į		
(4 cores) - Purchased Sept 2017-Aug											į	į	
2018 - Includes Maintenance thru Aug											İ	İ	
2019	Infrastructure				20,759	0					ļ		
SQL Server Enterprise - Per Processor											i		
(4 cores) - Purchased Sept 2018-Aug											į	į	
2019 - Includes Maintenance thru Aug											į	į	
	Infrastructure				16,985	0						į	
SQL Server Enterprise - Maintenance,											į	į	
Per Processor (4 cores) - Sept 2019											Ì	İ	
and Beyond	Infrastructure				4,218	0							
SQL Server Standard - Per Processor											į	İ	
(4 cores) - Purchased Sept 2016-Aug											ĺ	İ	
2017 - Includes Maintenance thru Aug											į	ļ	
2019	Infrastructure				6,398	0					į		
SQL Server Standard - Per Processor											ĺ	İ	
(4 cores) - Purchased Sept 2017-Aug											į	ļ	
2018 - Includes Maintenance thru Aug											į	į	
2019	Infrastructure			3	5,414	16,242		Х			į	į	
SQL Server Standard - Per Processor											ĺ	İ	
(4 cores) - Purchased Sept 2018-Aug											į	ļ	
2019 - Includes Maintenance thru Aug											l	ŀ	
2019	Infrastructure				4,429	0					į	į	
SQL Server - Standard Maintenance,										ĺ	İ	İ	
Per Processor (4 cores) - Sept 2019											į	į	
and Beyond	Infrastructure			3	1,100	3,300				Х	Χ	X	X

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Cost Detail

	Ι							Af	fect	s Pr	ojec	t RC) ?
	Project Cost	Budget Category/Funding	Unit		Rate per		Annual			1	ſ		!
Cost Description	Category	Source	Desc	Units	Unit	Total Cost	Multiplier	Y1	Y2	Υ3	Y4	Y5	Y6
Websphere Basic Per Processor									!	Į.	!		
Single/Dual Core - Includes Year 1										į			i I
Maintenance	Infrastructure				3,506	0							ł .
l													ł
Websphere Basic Per Processor						_			İ	ĺ			. I
	Infrastructure				701	0			<u> </u>	<u> </u>			
Websphere ND Per Processor									ļ	ļ		į	<u>.</u>
Single/Dual Core - Includes Year 1									į	į		į	!
Maintenance	Infrastructure				13,180	0				<u>i </u>			<u> </u>
Mahanhara ND Dar Draggar													i
Websphere ND Per Processor	la fua a turratura				0.005	0			ļ	ŀ			.
g,	Infrastructure		A N I N I		2,635	0				<u> </u>		<u> </u>	
	Infrastructure		ANN	2	845	1,690		Х	Х	Χ	Х	Χ	Х
	Infrastructure				180	0				<u> </u>			<u> </u>
Imperva Web Application Firewall									ĺ	ĺ			ı l
(=:::::)/	Infrastructure		ANN		500	0			!	<u> </u>	ļ		
App Code Directories on Consolidated									ļ	ļ		<u> </u>	Į.
\ /	Infrastructure		ANN		415	0			<u> </u>	<u>i </u>			
Database (5 GB) on Consolidated SQL									İ	į		į	!
	Infrastructure		ANN		930	0			<u> </u>	<u> </u>			
Database Instance (125 GB DB) on									ĺ	ĺ			ı l
	Infrastructure		ANN		2,395	0			İ	İ			i
	Infrastructure		ANN		834	0			•	į			!
	Infrastructure		ANN		19,158	0			į	į			!
DB Maintenance (Annual Cycle \$610)	Infrastructure		ANN		610	0							-
DB Maintenance (Semi-Annual Cycle										}			
\$1220)	Infrastructure		ANN		1,220	0			ļ	į			.
DB Maintenance (Semi-Annual Cycle									į	į			!
\$2440)	Infrastructure		ANN		2,440	0			į	į		(!
Dedicated Virtual Server	Infrastructure		ANN		4,150	0		Ī	į	ĺ	İ		
DB Instance Setup	Infrastructure				976	0		Ī	!				
DBA MS SQL Database Creation on								l	!	į		! !	
Exisitng Instance	Infrastructure			3	366	1,098		Х	<u> </u>	<u>i </u>			1

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Return on Investment Analysis

Cost Detail

								Af	fect	s Pr	ojec	t RO	?
Cost Description	Project Cost Category	Budget Category/Funding Source	Unit Desc	Units	Rate per Unit	Total Cost	Annual Multiplier	Y1	Y2	Y 3	Y4	Y5	Y6
Extra Small - 2 Core 8GB RAM, 500GB													
Drive, 10 GB NIC - Cloud/Virtual = \$601												.	
	Infrastructure		ANN			0							
Small - 4 Core 16GB RAM, 500GB													
Drive, 10 GB NIC - Cloud/Virtual = \$951 On Premise Physical Server = \$9,288	Infrastructure		ANN	3	951	2,853		x	v	v	v	v	
Medium - 8 Core 32GB RAM, 500GB	iiiiasiiuciuie		AININ	3	951	2,000		^	^	Х	Х	X 2	_
Drive, 10 GB NIC - Cloud/Virtual =												. !	
\$1,702 On Premise Physical Server =												. İ	
	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 =												. !	
+,	Infrastructure		ANN			0							
Project Staff Training	Training					0							
User Training	Training					0						i	
									<u> </u>			i	
								.					
									<u> </u>				
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	Potential Cost Extensions								
	Project Cost								
Cost Description	Category	Y1	Y2	Y3	Y4	Y5	Y6		
IT Hours - New Development	Development Svcs	283,965			<u></u>				
IT Hours - System Maintenance	Development Svcs		4,950	4,950	4,950	4,950	4,950		
IT Hours - Customer Support	Development Svcs		6,600	6,600	6,600	6,600	6,600		
IT Hours - Planned Maintenance	Development Svcs			6,600		6,600			
User Hours - New Development	Development Svcs		!	<u> </u>					
User Hours - PTNE/OT	Development Svcs	Į.				Ĭ			
Contractor Professional Services	Development Svcs				į				
Kiosk Hardware - Acquisition	Hardware	36,000							
PC System - Acquisition	Hardware	Ì		į	Ì	Î			
PC System - Maintenance	Hardware								
Notebook - Acquisition	Hardware								
Notebook - Maintenance	Hardware								
Tablet Notebook - Acquisition	Hardware								
Tablet Notebook - Maintenance	Hardware		į	į	i	İ			
Laserprinter - Acquisition	Hardware				ļ				
Laserprinter - Maintenance	Hardware			į					
Image Workstations - Acquisition	Hardware	İ		į	į				
Image Workstations - Maintenance	Hardware								
PC Maintenance User Owned	Hardware								
Printer Maintenance User Owned	Hardware			i	1				
File Space (100GB)	Hardware		į	į	i	İ			
Internet Bandwidth per MB	Hardware								
Kiosk Software - Acquisition	Software	60,000		į					
Kiosk Software - Annual Licensing	Software		6,000	6,000	6,000	6,000	6,000		
Package Software - Acquisition	Software				· ·	1	•		
Package Software - Maintenance	Software			i	Į.				
Business Objects Access	Software	İ		i		İ			
Term Emulation SFTW-Acquisition	Software	İ	İ	İ	į	İ			
Term Emulation SFTW-Maintenance	Software								
Server - Acquisition/Upgrade	Infrastructure			-	-				
Server - Maintenance	Infrastructure		į	i	i	i			
Server Sftwre - Acquisition/Upgrade	Infrastructure								
Server Sftwre - Maintenance	Infrastructure		1						
Server Rack Mount	Infrastructure			i		i			

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		Potential Cost Extensions									
Cost Description	Project Cost	V4	Vo		V4	VE	VC				
Cost Description	Category	Y1	Y2	Y3	Y4	Y5	Y6				
Oracle Enterprise Per Processor -		-									
Includes Year 1 Maintenance	Infrastructure										
Oracle Enterprise Per Processor - Year	l										
2 and Beyond	Infrastructure										
SQL Server Enterprise - Per Processor											
(4 cores) - Purchased Sept 2016-Aug											
2017 - Includes Maintenance thru Aug											
2019	Infrastructure										
SQL Server Enterprise - Per Processor											
(4 cores) - Purchased Sept 2017-Aug											
2018 - Includes Maintenance thru Aug											
2019	Infrastructure										
SQL Server Enterprise - Per Processor											
(4 cores) - Purchased Sept 2018-Aug											
2019 - Includes Maintenance thru Aug											
2019	Infrastructure										
SQL Server Enterprise - Maintenance,											
Per Processor (4 cores) - Sept 2019											
and Beyond	Infrastructure										
SQL Server Standard - Per Processor											
(4 cores) - Purchased Sept 2016-Aug											
2017 - Includes Maintenance thru Aug											
2019	Infrastructure										
SQL Server Standard - Per Processor											
(4 cores) - Purchased Sept 2017-Aug				İ							
2018 - Includes Maintenance thru Aug											
2019	Infrastructure	16,242									
SQL Server Standard - Per Processor											
(4 cores) - Purchased Sept 2018-Aug											
2019 - Includes Maintenance thru Aug	ĺ										
2019	Infrastructure										
SQL Server - Standard Maintenance,											
Per Processor (4 cores) - Sept 2019	ĺ										
and Beyond	Infrastructure			3,300	3,300	3,300	3,300				

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		Potential Cost Extensions									
	Project Cost	i	i	i		i					
Cost Description	Category	Y1	Y2	Y3	Y4	Y5	Y6				
Websphere Basic Per Processor											
Single/Dual Core - Includes Year 1] [1	!	ļ	}					
Maintenance	Infrastructure										
Websphere Basic Per Processor											
Single/Dual Core - Year 2 and Beyond	Infrastructure				ļ						
Websphere ND Per Processor	i i i i dotta dotta i o	 									
Single/Dual Core - Includes Year 1		1									
Maintenance	Infrastructure		1	!	ļ	}					
Walltonance	i i i i dotta o caro										
Websphere ND Per Processor		1		ļ							
Single/Dual Core - Year 2 and Beyond	Infrastructure		1		į	ĺ					
SSL Certificate	Infrastructure	1,690	1,690	1,690	1,690	1,690	1,690				
Internet Access	Infrastructure	1,000	1,000	1,000	1,000	1,000	1,000				
Imperva Web Application Firewall	illi doti dotaro	†									
(External Web Applications Only)	Infrastructure		ļ	ļ	ļ	į					
App Code Directories on Consolidated		1									
IIS Server (Virtual)	Infrastructure			i	ļ	i					
Database (5 GB) on Consolidated SQL		1		-		1					
Instance Server	Infrastructure			į							
Database Instance (125 GB DB) on				İ	İ						
Consolidated SQL Server	Infrastructure			ŀ	į	!					
Database SQL Maint Server	Infrastructure	1									
Database SQL Server Physical	Infrastructure		İ	i		İ					
DB Maintenance (Annual Cycle \$610)	Infrastructure										
DB Maintenance (Semi-Annual Cycle		1	1	- 1	1	1					
\$1220)	Infrastructure			i	ļ	i					
DB Maintenance (Semi-Annual Cycle				į	İ	İ					
\$2440)	Infrastructure										
Dedicated Virtual Server	Infrastructure		İ	İ	İ	İ					
DB Instance Setup	Infrastructure										
DBA MS SQL Database Creation on				İ		İ					
Exisitng Instance	Infrastructure	1,098				İ					

As Of: 2/26/18

		Potential Cost Extensions									
Cost Description	Project Cost Category	Y1	Y2	Y3	Y4	Y5	Y6				
Extra Small - 2 Core 8GB RAM, 500GB		-									
Drive, 10 GB NIC - Cloud/Virtual = \$601			į	i	İ	į					
	Infrastructure										
Small - 4 Core 16GB RAM, 500GB											
Drive, 10 GB NIC - Cloud/Virtual = \$951			į	j	ļ	ļ					
· ·	Infrastructure	2,853	2,853	2,853	2,853	2,853	2,853				
Medium - 8 Core 32GB RAM, 500GB		İ	i	İ	i	i	,				
Drive, 10 GB NIC - Cloud/Virtual =			ļ			ļ					
\$1,702 On Premise Physical Server =			İ	-							
\$9,751	Infrastructure		į	i	İ	į					
Large - 16 Core 64GB RAM, 500GB					!						
Drive, 10 GB NIC - Cloud/Virtual =			į.		İ						
\$3,167 On Premise Physical Server =			į	}	į	ļ					
\$10,446	Infrastructure		ļ			į					
Extra Large - 40 Core 160GB RAM,			İ		į	1					
500GB Drive, 10 GB NIC - Cloud/Virtual			į	j							
= \$7,564 On Premise Physical Server =											
\$12,906	Infrastructure										
Project Staff Training	Training										
User Training	Training		İ	-							
			<u> </u>								
		ļ <u>į</u>									
		<u> i</u>	i_	i	i_	i					

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	283,965						283,965
IT Hours - System Maintenance		4,950	4,950	4,950	4,950	4,950	24,750
IT Hours - Customer Support		6,600	6,600	6,600	6,600	6,600	33,000
IT Hours - Planned Maintenance			6,600		6,600		13,200
User Hours - New Development							
User Hours - PTNE/OT							
Contractor Professional Services							
Development Services Subtotal:	283,965	11,550	18,150	11,550	18,150	11,550	354,915
Hardware:	ŕ	,	Í	,	Í	, i	•
Kiosk Hardware - Acquisition	36,000						36,000
· ·							,
Hardware Subtotal:	36,000						36,000
Software:	30,000						20,000
Kiosk Software - Acquisition	60,000						60,000
Kiosk Software - Annual Licensing	00,000	6,000	6,000	6,000	6,000	6,000	30,000
Triosk Software - Affilial Electioning	U	0,000	0,000	0,000	0,000	0,000	30,000
						-	
Software Subtotal:	60,000	6,000	6,000	6,000	6,000	6,000	90,000
Infrastructure:	00,000	0,000	0,000	0,000	0,000	0,000	90,000
SSL Certificate	1,690	1,690	1,690	1,690	1,690	1,690	10,140
DBA MS SQL Database Creation on Exisitng	1,090	1,090	1,090	1,090	1,090	1,090	10,140
Instance	1,098						1 000
Small - 4 Core 16GB RAM, 500GB Drive, 10	1,090						1,098
GB NIC - Cloud/Virtual = \$951 On Premise							
- · · · · · · · · · · · · · · · · · · ·	2,853	0.050	2.052	0.050	0.050	2,853	47.440
Physical Server = \$9,288	2,000	2,853	2,853	2,853	2,853	2,603	17,118
Infrastructure Subtotal	F C44	4.5.40	4.540	4.540	4.540	4.540	00.050
	5,641	4,543	4,543	4,543	4,543	4,543	28,356
Training:							
Training Subtotal:							
Other:							
Other Subtotal:					_		
Costs Total:	385,606	22,093	28,693	22,093	28,693	22,093	509,271

Return on Investment Analysis

Assumptions

Date	Assumption Description
14-Mar-18	Average of 2 kiosks down at any given time. Currently 2 are down due to hardware problems. Average 2 screen replacements a year.
	Health User Support Specialist and IT Contractor conduct analysis on the units. On average, one is broken per week at 10 hours of work
	per unit. Sometimes several are down at once and other times we are waiting for hardware
	IT Project Manager required to track equipment from vendor, internal review of software from Workstation Services and software upgrades
14-Mar-18	from vendor - Estimated 5 hours per week on average spent on the kiosks. Assuming a ~50% reduction.
24-May-18	Hardware and software costs were sourced from http://www.costowl.com/b2b/kiosks-touch-screen-cost.html