Project Name: Point of Sale Terminal Replacement RFP Project ID: DJ1162TR

Leadership Group: Finar	nce/Admin					
Department: Information	Technology			Division: Applica	tion Services	
Project Sponsor: Leah A	Ann Stafford	Date Requ	iested	d : 4/10/2020	PM Custom	er No . 162
Request Type:	New Develo	<u>pment</u>		Enhancemen	t Cu	stomer Support
	Planned Sys	tem Mainte	nance	e or Upgrade		
IT Team Name: eComme	erce/Finance/A	dmin		IT Team No: J		
Project Manager/Leader	: Dawn Clark					
Account TBD Number:	Account Description:	TBD			Customer Name:	Public Health
Grant Funded? Yes	<u>No</u>		Mar	ndate?	Yes	<u>No</u>
			Mar	ndate Source:		

Project Goal

To select a vendor to replace the current point of sale (POS) terminals across the County with configurable POS terminals that can integrate via as standard application interface with backend County systems, so that the deployment, maintenance, and updating of the POS terminals is flexible and efficient.

Business Objective

To determine a replacement solution for the current POS devices that will have an API for integration into multiple Oakland County systems and will allow for end-users to apply price changes and new products.

Major Deliverables

- Request for Proposal
- Detailed Project Plan
- Application and/or System Requirements
- Technical Design Document
- Technical Architecture Diagram
- Training Plan
- User Acceptance Test Plan
- Implementation Plan
- Training/User Manual(s)
- Software Implementation
- Service Level Agreement
- Disaster Recovery Toolkit
- Service Center Knowledge Documents

Project Name: Point of Sale Terminal Replacement RFP Project ID: DJ1162TR

Approach

- Develop Detailed Project Plan
- Document business requirements.
- Collaborate with vendor on contract and SOW
- Assist and review vendor with finalizing technical design
- Identify and configure vendor application enhancements
- Develop Implementation Plan
- Develop User Acceptance Test Plan
- Conduct Unit Testing
- Conduct Functional Testing
- Conduction User Acceptance Testing
- 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

Research yielded no results

Benefits

See Return on Investment (ROI) Analysis Document

Impact

Number of Users 32

Divisions Health, Probate, Animal Control, EDCA, Clerks Office, Sheriff's Office, Treasury.

Leadership Groups: eGovernment, Courts, Finance / Admin, CLEMIS

Project Name: Point of Sale Terminal Replacement RFP Project ID: DJ1162TR

Risk

Business Environment Medium – Project requires some changes to existing business

processes.

Technical Environment Medium – Proven implemented technologyies 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:	<u>Name</u>	Hours per Day
Project Sponsor:	Leah Ann Stafford	As Needed
Stakeholder:	John Cooperrider (Probate)	As Needed
Stakeholder:	Sara Stoddard (Health)	As Needed
Stakeholder:	Dan Hunter (EDCA)	As Needed
Stakeholder:	Jennifer Howden (Clerk)	As Needed
Stakeholder:	Katie West (Sherriff)	As Needed
Stakeholder:	Joanie Toole (Animal Control)	As Needed
Stakeholder:	Tammi Shepherd	As Needed

Facilities

None

Technical

None

Funding

Information Technology

Project Name: Point of Sale Terminal Replacement RFP Project ID: DJ1162TR

Other

None

Priority

• TBD

Constraints

None

Exclusions

None

Project Name: Point of Sale Terminal Replacement RFP Project ID: DJ1162TR

PROJECT PHASE AUTHORIZATION

Phase(s): All						
Total Estimated Application Services	Hours: 2,315					
Total Estimated Technical Systems	Hours: 193					
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

s:
s: 2,508

Project Name: Point of Sale Terminal Replacement RFP Project ID: DJ1162TR

PROJECT COMPLETION AUTHORIZATION

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

Poin	t of Sale Termina	Il Replacement RFP - Size Estimate (+/- 10% to	50%) ×	
Туре	ID	Task Name	Estimated Hours	Estimate Notes
1 Phase	000000	■ PROJECT MANAGEMENT	577	
2 Phase	100000	■ DEVELOP RFP & SELECT VENDOR	206	
3 Phase	200000	■ DEFINE BUSINESS REQUIREMENTS	173	
4 Phase	300000	■ DESIGN SYSTEM ARCHITECTURE	136	
5 Phase	500000	■ DEVELOP APPLICATION	782	
6 Phase	600000	■ IMPLEMENTATION PHASE	557	
7 Phase	800000	■ POST IMPLEMENTATION SUPPORT	77	
R				
1			2,508	

Return on Investment Analysis

Project Summary

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,332 15,4 ,833 5,8	85 15,64	-	•	n
,833 5,8		0 15,796	3 15,954	
	001 5.05			78,208
	01 5 05			
,696 14,8	91 5,95	0 6,009	9 6,070	443,573
	14,99	1 15,141	1 15,292	187,912
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,332 15,4	-	-		
,528 20,7	20,94	1 21,150	21,362	631,485
196) (5,24	18) (5,301	(5,354)) (5,407)	(553,277)
89% 133.89				
332 30,8	17 46,457	62,253	78,208	78,208
298 568,0	32 588,973	610,123	631,485	631,485
966) (537,2	15) (542,516	5) (547,870)) (553,277)	(553,277)
69% 1843.2				
				NO PAYBACK
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,		Date	Date:	Date:

Return on Investment Analysis

Savings Detail

Benefit/Savings Description Category Budget Category/Funding Source Desc Units Unit Total Savings Multip Reduction in Staff support for on-site		Drainet Cavings		Unit		Data mar		Ammunal
custom code installations and support Avoid support issues caused by lack of up-to-date software. Avoid reductions in processing efficiency from delays to custom department software updates. Avoid potential security vulnerabilities due to manual process of software updates Intangible Benefit Intangibl	Benefit/Savings Description	Project Savings Category	Budget Category/Funding Source		Units	Rate per Unit	Total Savings	Annual Multiplier
custom code installations and support Avoid support issues caused by lack of up-to-date software. Avoid reductions in processing efficiency from delays to custom department software updates. Avoid potential security vulnerabilities due to manual process of software updates Intangible Benefit Intangibl	Deduction in Staff compart for an aite							
Avoid support issues caused by lack of up-to-date software. Intangible Benefit Intan	eustom and installations and support	Cost Avoidance		шь	02	165	15 100	1.010
up-to-date software. Intangible Benefit Avoid reductions processing efficiency from delays to custom department software updates. Intangible Benefit Avoid potential security vulnerabilities due to manual process of software updates Intangible Benefit Intangibl	Avoid support issues caused by lack of	Cost Avoidance		ПК	92	103	15,160	1.010
Avoid reductions in processing efficiency from delays to custom department software updates. Avoid potential security vulnerabilities due to manual process of software updates Intangible Benefit Intangib		Intangible Renefit					_	
efficiency from delays to custom department software updates. Intangible Benefit Int		intangible Benefit					0	
department software updates. Avoid potential security vulnerabilities due to manual process of software updates Intangible Benefit Intangible Be								
Avoid potential security vulnerabilities due to manual process of software updates Intangible Benefit Intendice Benefit Intangible Benefit Intendice Benefit Intangible Benefit Intangible Benefit Intendice Benefit Inte	department software updates.	Intangible Benefit					0	
due to manual process of software updates Intangible Benefit 0 0 0 0	Avoid potential security vulnerabilities							
updates Intangible Benefit 0 0 0 <tr< td=""><td>due to manual process of software</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr<>	due to manual process of software							
		Intangible Benefit					0	
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Return on Investment Analysis

Savings Detail

	Affects Project ROI? Potential Savings Extensions								ons					
Benefit/Savings Description	Project Savings Category	Y1	Y2	Y3	Y4	Y!	5 Y	/ 6	Y1	Y2	Y3	Y4	Y5	Y6
							T	T						
Reduction in Staff support for on-site	0							,		45 004 00	45 405 40	45 000 07	45 700 07	45.054
custom code installations and support Avoid support issues caused by lack of	Cost Avoidance		Χ	Х	X	X	IX.	-		15,331.80	15,485.12	15,639.97	15,796.37	15,954
up-to-date software.	Intangible Benefit			İ			Ì							
Avoid reductions in processing	Intangible beliefit			1	1	+	╁	+						
efficiency from delays to custom														
department software updates.	Intangible Benefit													į
Avoid potential security vulnerabilities	I I I I I I I I I I I I I I I I I I I		İ	i	İ	İ	Ť	\dashv						-
due to manual process of software							-							i i
updates .	Intangible Benefit			İ	İ		i							
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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:							
Reduction in Staff support for on-site							
custom code installations and support		15,332	15,485	15,640	15,796	15,954	78,208
Cost Avoidance Subtotal:		15,332	15,485	15,640	15,796	15,954	78,208
Intangible Benefit:							
Avoid support issues caused by lack of upto-date software.							
Avoid reductions in processing efficiency							
from delays to custom department software							
updates.							
Avoid potential security vulnerabilities due to							
manual process of software updates							
Savings Total:		15,332	15,485	15,640	15,796	15,954	78,208
Savings rotal.		10,332	10,400	10,040	10,790	10,904	70,208

Return on Investment Analysis

Cost Detail

								Af	fect	s Pr	ojec	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	2,508	165	413,820		Х	<u> </u>			\equiv	
IT Hours - System Maintenance	Development Svcs				165	0	1.010	х	ĺ	ĺ			
IT Hours - Customer Support	Development Svcs		HR	10	165	1,650	1.010		х	x	х	х	Х
IT Hours - Planned Maintenance	Development Svcs		HR	25	165	4,125	1.010		х	x	х	х	Х
User Hours - New Development	Development Svcs					0				İ			
User Hours - PTNE/OT	Development Svcs					0							
Contractor Professional Services	Development Svcs		EA	15	1,500	22,500				Ì			
PC System - Acquisition	Hardware				687	0				•		, !	
PC System - Maintenance	Hardware				2,936	0				l			
Notebook - Acquisition	Hardware				1,115	0				İ			
Notebook - Maintenance	Hardware				3,024	0			İ	İ			
Tablet Notebook - Acquisition	Hardware				1,421	0				ĺ			
Tablet Notebook - Maintenance	Hardware				2,800	0				ļ		. !	
Laserprinter - Acquisition	Hardware				1,432	0							
Laserprinter - Maintenance	Hardware				1,408	0				İ			
PC Maintenance User Owned	Hardware				2,720	0							
Printer Maintenance User Owned	Hardware				1,264	0			İ	İ			
File Space (100GB)	Hardware		ANN		23	0				ŀ			
Vendor Point of Sale Machines -										!			
Acquisition	Hardware		EA	15	6,560	98,400		х	į				
Vendor Point of Sale Machines -										•			
Maintenance	Hardware		EA	15	970	14,550	1.010	х	Х	x	x	х	х
Package Software - Acquisition	Software					0				ļ		, !	
Package Software - Maintenance	Software					0							
Business Objects Access	Software					0				İ			
Term Emulation SFTW-Acquisition	Software					0				ĺ			
Term Emulation SFTW-Maintenance	Software					0				1			
Server - Acquisition/Upgrade	Infrastructure				8,000	0				ļ		,	
Server - Maintenance	Infrastructure				360	0							
Server Sftwre - Acquisition/Upgrade	Infrastructure				335	0				İ			
Server Sftwre - Maintenance	Infrastructure					0				İ			
Server Rack Mount	Infrastructure				400	0				ļ		i	
Oracle Enterprise Software Purchase -												, I	
Per Processor (4 Cores) - Requires												. !	
Annual Support Below	Infrastructure				42,280	0			į	İ		,	

Return on Investment Analysis

Cost Detail

								Aff	ects	s Pro	ject	ROI?
	Project Cost	Budget Category/Funding	Unit		Rate per		Annual					-
Cost Description	Category	Source	Desc	Units	Unit	Total Cost	Multiplier	Y1	Y2	Y3	۲4 ۱	/5 Y6
Oracle Enterprise Software Support -										\Box	$\overline{}$	T
Per Processor (4 Cores)	Infrastructure				9,293	0	1.030			,		-
SQL Server Enterprise Software												
Purchase - Per Processor (4 cores) -												-
Purchased Sept 2019-Aug 2020 -										ı İ	İ	
Includes Support thru Aug 2022	Infrastructure				16,985	0						
SQL Server Enterprise Software												ļ
Purchase - Per Processor (4 cores) -												ļ
Purchased Sept 2020-Aug 2021 -												ļ
Includes Support thru Aug 2022	Infrastructure				12,724	0						
SQL Server Enterprise Software										,	- 1	
Purchase - Per Processor (4 cores) -											-	-
Purchased Sept 2021-Aug 2022 -												ļ
Includes Support thru Aug 2022	Infrastructure				8,463	0						-
SQL Server Enterprise - Support, Per												i
Processor (4 cores) - Sept 2022 and												
Beyond	Infrastructure				4,261	0				,	-	-
SQL Server Standard Software												
Purchase - Per Processor (4 cores) -												ļ
Purchased Sept 2019-Aug 2020 -												ļ
Includes Support thru Aug 2022	Infrastructure				4,429	0						
SQL Server Standard Software									ļ			-
Purchase - Per Processor (4 cores) -										. !	į	ļ
Purchased Sept 2020-Aug 2021 -										ı		
Includes Support thru Aug 2022	Infrastructure				3,317	0						
SQL Server Standard Software										,	- 1	-
Purchase - Per Processor (4 cores) -										. !		-
Purchased Sept 2021-Aug 2022 -												ļ
Includes Support thru Aug 2022	Infrastructure				2,205	0						<u> </u>
SQL Server - Standard Support, Per										, [-
Processor (4 cores) - Sept 2022 and										,	- 1	-
Beyond	Infrastructure				1,112	0						<u> </u>
Websphere Basic Per Processor										. [
Single/Dual Core - Includes Year 1												
Maintenance	Infrastructure				3,506	0				نا		

Return on Investment Analysis

Cost Detail

								Affe	ects	Pro	ject	ROI?
	Project Cost	Budget Category/Funding	Unit		Rate per		Annual		- [Ţ,		
Cost Description	Category	Source	Desc	Units	Unit	Total Cost	Multiplier	Y1 \	Y2	۲3 ^ا ۲	/4 \	/5 Y6
Websphere Basic Per Processor								li	- 1	į		
Single/Dual Core - Year 2 and Beyond	Infrastructure				701	0			_ [_ [_	_ []
Websphere ND Per Processor								1 1	- 1	- 1		
Single/Dual Core - Includes Year 1								1		- 1		
Maintenance	Infrastructure				13,180	0						
Websphere ND Per Processor												
Single/Dual Core - Year 2 and Beyond	Infractructure				2,635	0			- 1			
SSL Certificate	Infrastructure				845	0		-		\dashv	+	
Internet Access	Infrastructure				180	0						
Imperva Web Application Firewall	Illiastructure				100	U		H				
· ·	Infrastructure		ANN		500	0		li	- 1	İ		
(External Web Applications Only)	Immastructure		AININ		500	0		H	i	- }		_ <u>i</u> l
App Code Directories on Consolidated	 				445	0		li	- 1	İ		i I
IIS Server (Virtual)	Infrastructure		ANN		415	0		Li	_ i			
Dedicated Virtual Server	Infrastructure		ANN		4,150	0		I i			_	_
Extra Small - 2 Core 8GB RAM, 500GB								1				
Drive, 10 GB NIC - Cloud/Virtual =									- 1			
\$601 On Premise Physical Server =									- 1	-		
N/A	Infrastructure		ANN			0			_			ļ
Small - 4 Core 16GB RAM, 500GB												
Drive, 10 GB NIC - Cloud/Virtual =												
\$951 On Premise Physical Server =									- 1	İ		
\$9,288	Infrastructure		ANN			0			- 1			
Medium - 8 Core 32GB RAM, 500GB												
Drive, 10 GB NIC - Cloud/Virtual =								li	- 1	İ		
\$1,702 On Premise Physical Server =								1 1	- 1	- 1		
\$9,751	Infrastructure		ANN			0			- 1	-		
Large - 16 Core 64GB RAM, 500GB									- 1	- 1		
Drive, 10 GB NIC - Cloud/Virtual =									- 1	-		
\$3,167 On Premise Physical Server =												
\$10,446	Infrastructure		ANN			0				-		

Oakland County -- Point of Sale Terminal Replacement 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	Affects Project ROI? Y1 Y2 Y3 Y4 Y5 Y6
Extra Large - 40 Core 160GB RAM,								
500GB Drive, 10 GB NIC -								
Cloud/Virtual = \$7,564 On Premise								
Physical Server = \$12,906	Infrastructure		ANN			0		

REV: March 27, 2020

Return on Investment Analysis

Cost Detail

			Po	tential Cost	Extensions	<u> </u>	
	Project Cost				 		
Cost Description	Category	Y1	Y2	Y3	Y4	Y5	Y6
IT Hours - New Development	Development Svcs	413,820.00					
IT Hours - System Maintenance	Development Svcs	0.00					
IT Hours - Customer Support	Development Svcs		1,666.50	1,683.17	1,700.00	1,717.00	1,734.17
IT Hours - Planned Maintenance	Development Svcs		4,166.25	4,207.91	4,249.99	4,292.49	4,335.42
User Hours - New Development	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				i !		
Tablet Notebook - Acquisition	Hardware				 		
Tablet Notebook - Maintenance	Hardware				i		
Laserprinter - Acquisition	Hardware						
Laserprinter - Maintenance	Hardware						
PC Maintenance User Owned	Hardware						
Printer Maintenance User Owned	Hardware						
File Space (100GB)	Hardware						
Vendor Point of Sale Machines -							
Acquisition	Hardware	98,400.00			i !		
Vendor Point of Sale Machines -							
Maintenance	Hardware	14,550.00	14,695.50	14,842.46	14,990.88	15,140.79	15,292.20
Package Software - Acquisition	Software						
Package Software - Maintenance	Software						
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				i i		
Server Sftwre - Maintenance	Infrastructure						
Server Rack Mount	Infrastructure						
Oracle Enterprise Software Purchase -							
Per Processor (4 Cores) - Requires							
Annual Support Below	Infrastructure						

Return on Investment Analysis

Cost Detail

		Potential Cost Extensions					
	Project Cost						
Cost Description	Category	Y1	Y2	Y3	Y4	Y5	Y6
Oracle Enterprise Software Support -			1	<u> </u>		<u> </u>	
Per Processor (4 Cores)	Infrastructure				 		
SQL Server Enterprise Software			İ				
Purchase - Per Processor (4 cores) -							
Purchased Sept 2019-Aug 2020 -							
Includes Support thru Aug 2022	Infrastructure					İ	
SQL Server Enterprise Software							
Purchase - Per Processor (4 cores) -				!			
Purchased Sept 2020-Aug 2021 -							
Includes Support thru Aug 2022	Infrastructure		İ	İ		İ	
SQL Server Enterprise Software					i !		
Purchase - Per Processor (4 cores) -					 		
Purchased Sept 2021-Aug 2022 -			!				
Includes Support thru Aug 2022	Infrastructure						
SQL Server Enterprise - Support, Per			İ				
Processor (4 cores) - Sept 2022 and				İ			
Beyond	Infrastructure						
SQL Server Standard Software							
Purchase - Per Processor (4 cores) -				İ			
Purchased Sept 2019-Aug 2020 -			İ	İ	i !	į	
Includes Support thru Aug 2022	Infrastructure		}	}		<u> </u>	
SQL Server Standard Software			!	!			
Purchase - Per Processor (4 cores) -							
Purchased Sept 2020-Aug 2021 -			İ	į		į	
Includes Support thru Aug 2022	Infrastructure						
SQL Server Standard Software				!			
Purchase - Per Processor (4 cores) -							
Purchased Sept 2021-Aug 2022 -				İ			
Includes Support thru Aug 2022	Infrastructure		<u> </u>	İ	i	<u> </u>	
SQL Server - Standard Support, Per							
Processor (4 cores) - Sept 2022 and				!		!	
Beyond	Infrastructure						
Websphere Basic Per Processor				İ		İ	
Single/Dual Core - Includes Year 1							
Maintenance	Infrastructure			!	 	!	

Return on Investment Analysis

Cost Detail

		Potential Cost Extensions					
	Project Cost						
Cost Description	Category	Y1	Y2	Y3	Y4	Y5	Y6
			1	!	}		!
Websphere Basic Per Processor							
Single/Dual Core - Year 2 and Beyond	Infrastructure						
Websphere ND Per Processor							
Single/Dual Core - Includes Year 1					İ		
Maintenance	Infrastructure			ļ	i 		
Websphere ND Per Processor					! !		! !
Single/Dual Core - Year 2 and Beyond	Infrastructure						İ
SSL Certificate	Infrastructure						İ
Internet Access	Infrastructure		1	!	!	<u> </u>	!
Imperva Web Application Firewall							
(External Web Applications Only)	Infrastructure						İ
App Code Directories on Consolidated							
IIS Server (Virtual)	Infrastructure						
Dedicated Virtual Server	Infrastructure						
Extra Small - 2 Core 8GB RAM, 500GB			1	:			
Drive, 10 GB NIC - Cloud/Virtual =					İ		İ
\$601 On Premise Physical Server =			1				
N/A	Infrastructure						
Small - 4 Core 16GB RAM, 500GB							
Drive, 10 GB NIC - Cloud/Virtual =					•		
\$951 On Premise Physical Server =			1				!
\$9,288	Infrastructure						
Medium - 8 Core 32GB RAM, 500GB				İ			
Drive, 10 GB NIC - Cloud/Virtual =			1	İ	İ		
\$1,702 On Premise Physical Server =							İ
\$9,751	Infrastructure						
Large - 16 Core 64GB RAM, 500GB							<u> </u>
Drive, 10 GB NIC - Cloud/Virtual =			1		İ		İ
\$3,167 On Premise Physical Server =			İ				
\$10,446	Infrastructure		<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Return on Investment Analysis

Cost Detail

			Po	otential Cost	t Extensions	3	
Cost Description	Project Cost Category	Y1	Y2	Y3	Y4	Y5	Y6
Extra Large - 40 Core 160GB RAM,			!	!	!	!	!
500GB Drive, 10 GB NIC -			İ		İ	İ	İ
Cloud/Virtual = \$7,564 On Premise					}		
Physical Server = \$12,906	Infrastructure				}		l

REV: March 27, 2020

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	413,820						413,820
IT Hours - System Maintenance	0						
IT Hours - Customer Support		1,667	1,683	1,700	1,717	1,734	8,501
IT Hours - Planned Maintenance		4,166	4,208	4,250	4,292	4,335	21,252
User Hours - New Development							
User Hours - PTNE/OT							
Contractor Professional Services							
Development Services Subtotal:	413,820	5,833	5,891	5,950	6,009	6,070	443,573
Hardware:							
Vendor Point of Sale Machines - Acquisition	98,400						98,400
Vendor Point of Sale Machines -							
Maintenance	14,550	14,696	14,842	14,991	15,141	15,292	89,512
Hardware Subtotal: Software:	112,950	14,696	14,842	14,991	15,141	15,292	187,912
Software Subtotal: Infrastructure:							
Infrastructure Subtotal 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
	Training Subtotal:							
Ot	her:							
	Other Subtotal:							
Co	osts Total:	526,770	20,528	20,734	20,941	21,150	21,362	631,485

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Return on Investment Analysis

Assumptions

Date	Assumption Description
	Reduction in Staff support for on-site custom code installations and support related to standard out-of-the-box software on all POS machines
14-Jul-20	that is updated remotely.
	POS machine HW cost and professional services based on single POS replacement estimate for the Clerks Office
14-Jul-20	POS machine maintenance costs based on current maintenance cost of \$970/machine
	15 POS machines need to be replaced across the following departments (Circuit Court - 2, South Health - 2, Animal Control - 2, EDCA - 1,
	Clerk's Office - 3, North Health - 2, OC Sheriff Office - 1, Treasurer - 1, IT - test machine)
21-Jul-20	Annual support hours of 116 hour will be reduced by 80%

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