Project Name: Vehicle Operations Garage System Migration Pro

Project ID: DJ3142VO

Leadership Group: Finance Administration										
Departmen	t: Facilities N	lanagement		Division: Support Services						
Project Sp	onsor: Todd	Birkle	Date Reque	uested: 2/14/2022 PM Customer No. 142						
Request Type: <u>New Development</u> X Enhancement Customer Support										
	Planned System Maintenance or Upgrade									
IT Team Na	ame: eComm	erce		IT Team N	No: J					
Project Ma	nager/Leade	r: Dawn Clark								
Account Number:	65498	Account Description:	Garage	Support		Customer Name:	Support Services			
Grant Funded? Yes <u>No</u>		Yes <u>No</u>		Mandate? Mandate Sour	Yes ce:	<u>No</u>				

Project Goal

To migrate the existing on-premises version of the Faster to the cloud-based, SaaS solution, so that the Vehicle Operations staff can more efficiently process vehicle requests, streamline the vehicle maintenance tracking process as well as report on and monitor key performance indicators.

Business Objective

To implement the new cloud-based, SaaS version of Faster to enable Vehicle Operations to track and monitor key performance indicators, utilize bar coding to improve vehicle tracking and manage assets, rental and reservation electronically as well as migrate data from the existing system to the new system.

Major Deliverables

- Detailed Project Plan
- Vendor SOW
- 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
- Training/User Manual(s)
- Application Code
- Service Level Agreement
- Disaster Recovery Toolkit
- Service Center Knowledge Documents

Project Name: Vehicle Operations Garage System Migration Project ID: DJ3142VO

Approach

- Develop Detailed Project Plan
- Review current business process and conduct needs assessment with customer, ensuring current manual processes are refined and automated.
- Collaborate with vendor on contract and SOW
- 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
- Develop 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 – TBD

Benefits

See Return on Investment (ROI) Analysis Document

Impact

Number of Users	<10 (Oakland County Vehicle Operations staff)
Divisions	Support Services
Leadership Groups	Finance Administration

Project Name	e: Vehicle Op	erations Garage System Migration	Project ID: DJ3142VO
<u>Risk</u>			
Business En	vironment	MED – Project requires some changes to processes.	existing business
Technical En	vironment	MED – Proven implemented technologies /or new requirements	s with new aspects and
<u>Assumptio</u>	<u>ns</u>		
Staffing	IT Staffing: re	esources will be available for the hours indi	cated per the attached

project plan.

Other Staffing: additional staffing will be available as follows:

Role:	<u>Name</u>	<u>Hours per Day</u>
Project Sponsor:	Todd Birkle	As Needed

Facilities

- None
- •

Technical

- Data from the current system will be migrated into the new system.
- •

Funding

• IT

Other

•

Priority

Project Name: Vehicle Operations Garage System Migration Project ID: DJ3142VO

Constraints

- None
- •

Exclusions

- None
- •

Project Name: Vehicle Operations Garage System Migration

Project ID: DJ3142VO

PROJECT PHASE AUTHORIZATION

Phase(s):					
Total Estimated Application Services		Hours:	1,406		
Total Estimated Technical Systems		Hours:	192		
Total Estimated CLEMIS	ļ	Hours:			
Total Estimated Internal Services		Hours:			
IT Application Services Division Manager Approva	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:	
Previously Authorized Development	Hours:	
Preliminary Estimated Development for Future Phases	Hours:	
Grand Total Estimated Development	Hours: 1,598	Cost: \$263,670

Project Name: Vehicle Operations Garage System Migration Project ID: DJ3142VO

PROJECT COMPLETION AUTHORIZATION

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

Type ID Task Name Estimated Hours Estimate Note Hours Phase 00000 PROJECT MANAGEMENT 366
Phase 10000 DEVELOP RFP & SELECT VENDOR 72 Phase 20000 DEFINE BUSINESS REQUIREMENTS 110 Phase 30000 DESIGN SYSTEM ARCHITECTURE 106 Phase 40000 IMPLEMENT VENDOR APPLICATION 765 Phase 50000 IMPLEMENTATION PHASE 102
Phase 20000 © DEFINE BUSINESS REQUIREMENTS 110 Phase 30000 © DESIGN SYSTEM ARCHITECTURE 106 Phase 40000 IMPLEMENT VENDOR APPLICATION 765 Phase 50000 IMPLEMENT ATION PHASE 102
Phase 30000 EDSIGN SYSTEM ARCHITECTURE 106 Phase 40000 IMPLEMENT VENDOR APPLICATION 765 Phase 50000 IMPLEMENT ATION PHASE 102
Hono IMPLEMENT VENDOR APPLICATION 765 Phase 50000 IMPLEMENTATION PHASE 102
Phase 50000 EINPLEMENTATION PHASE 102
Phase 600000 🖶 POST IMPLEMENTATION SUPPORT 77

Oakland County -- Vehicle Operations Garage System Migration Return on Investment Analysis

Project Summary

	Description	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Total
Be	enefits/Savings:							
	Tangible Benefits Subtotal:	0	0	0	0	0	0	0
	Cost Avoidance Subtotal:	0	0	0	0	0	0	0
С	osts:							
	Development Services Subtotal:	271,920	60,123	11,899	12,078	12,259	12,443	380,721
	Hardware Subtotal:	0	8,623	0	162	0	166	8,951
	Software Subtotal:	61,438	61,988	62,547	63,114	63,690	64,274	377,051
	Infrastructure Subtotal	0	0	0	0	0	0	0
	Training Subtotal:	15,950	813	825	837	850	863	20,138
	Other Subtotal:	0	0	0	0	0	0	0
Ar	nnual Statistics:							
	Annual Total Savings	0	0	0	0	0	0	0
	Annual Total Costs	349,308	131,548	75,271	76,191	76,799	77,746	786,862
	Annual Return on Investment	(349,308)	(131,548)	(75,271)	(76,191)	(76,799)	(77,746)	(786,862)
	Annual Costs/Savings Ratio	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Pr	oject Cumulative Statistics:							
	Cumulative Total Savings	0	0	0	0	0	0	0
	Cumulative Total Costs	349,308	480,855	556,126	632,317	709,116	786,862	786,862
-	Cumulative Return on Investment	(349,308)	(480,855)	(556,126)	(632,317)	(709,116)	(786,862)	(786,862)
	Cumulative Cost/Savings Ratio	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Year Positive Payback Achieved							NO PAYBACK
	State or Federal Mandate?							
Si	gnatures:							
	Benefits Reviewed By Project Sponsor				Date:			
	Costs (including IT Resources) Reviewed By Information Technology Project Manager				Date:			

Return on Investment Analysis

Savings Detail

							A 1
Repetit/Source Description	Project Savings	Rudget Cetegen/Funding Serves	Unit Desc	Units	Rate per Unit	Total Cavinga	Annual
Benefit/Savings Description	Category	Budget Category/Funding Source	Desc	Units	Unit	Total Savings	Multiplier
Establish a barcoding method for							
vehicle and asset tracking to reduce							
manual tracking efforts	Intangible Benefit					0	
Customer Portal: Establish electronic							
vehicle maintence request to improve							
efficiencies and reduce paper							
consumption	Intangible Benefit					0	
Establish electronic vehicle rental							
request to improve effiiciencies and							
reduce paper consumption	Intangible Benefit					0	
Interactive Shop Calender: Better							
scheduling of repairs and staff							
availability.	Intangible Benefit					0	
Ability to import electric vehicle kWh	_						
consumption.	Intangible Benefit					0	
Ability to set PM plan for							
time/Mileage/kWp used	Intangible Benefit					0	
Asset Management: Life cycle							
Management, Acquisition Planning,							
	Intangible Benefit					0	
Abiluity to utilize API (Mulitiple APIs) to	Ŭ						
additional system integrations	Intangible Benefit					0	
, , , , , , , , , , , , , , , , , , , ,	5					0	
						0	
						0	
						0	
						0	
						0	

Return on Investment Analysis

Savings Detail

		Affects Project ROI?			Potential Savings Extensions									
	Project Savings		vo					Va	N/4		N/O			Vo
Benefit/Savings Description	Category	¥1	¥2	¥3	Y Y	4 i 1	15	Y6	Y1	Y2	Y3	Y4	Y5	Y6
Establish a barcoding method for														
vehicle and asset tracking to reduce			1					i						
	Intangible Benefit											1 1 2		
Customer Portal: Establish electronic														
vehicle maintence request to improve						l		<u> </u>						
efficiencies and reduce paper						l		<u> </u>						
consumption	Intangible Benefit		1			1								
Establish electronic vehicle rental														
request to improve effiiciencies and														
reduce paper consumption	Intangible Benefit		ł			ł		i						
Interactive Shop Calender: Better						l								
scheduling of repairs and staff														
availability.	Intangible Benefit					l		<u> </u>						
Ability to import electric vehicle kWh														
consumption.	Intangible Benefit					Î								
Ability to set PM plan for				1		ł								
time/Mileage/kWp used	Intangible Benefit							i						
Asset Management: Life cycle				l		l								
Management, Acquisition Planning,														
	Intangible Benefit					l		<u> </u>						
Abiluity to utilize API (Mulitiple APIs) to			1		1	1								
	Intangible Benefit					1								
· · · · · ·			l		1	1						1	1	
					1	T								
				1	1	1							1	
			1	1	1		-							
					1	1	1							

Oakland County -- Vehicle Operations Garage System Migration 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:							
Cost Avoidance Subtotal:							
Intangible Benefit:							
Establish a barcoding method for vehicle and							
asset tracking to reduce manual tracking							
efforts							
Customer Portal: Establish electronic vehicle							
maintence request to improve efficiencies							
and reduce paper consumption							
Establish electronic vehicle rental request to							
improve effiiciencies and reduce paper							
consumption							
Interactive Shop Calender: Better							
scheduling of repairs and staff availability. Ability to import electric vehicle kWh							
consumption.							
Ability to set PM plan for time/Mileage/kWp							
used							
Asset Management: Life cycle Management, Acquisition Planning, Asset Meter Reading.							
Acquisition Planning, Asset Meter Reading. Abiluity to utilize API (Mulitiple APIs) to							
additional system integrations							
Savings Total:							

Return on Investment Analysis

						Aff	ect	s Pr	ojec	ct RC) ?		
	Project Cost	Budget Category/Funding	Unit		Rate per		Annual			1	Í		
Cost Description	Category	Source	Desc	Units	Unit	Total Cost	Multiplier	Y1	Y2	Y3	Y4	Y5	Y6
IT Hours - New Development	Development Svcs		HR	1,598	165	263,670		Х					
IT Hours - System Maintenance	Development Svcs		ANN	20	165	3,300	1.015			х	х	х	х
IT Hours - Customer Support	Development Svcs		ANN	40	165	6,600	1.015			х	х	х	х
IT Hours - Planned Maintenance	Development Svcs		ANN	10	165	1,650	1.015	х	Х	х	х	х	х
User Hours - New Development	Development Svcs					0					<u> </u>		
User Hours - PTNE/OT	Development Svcs					0							
Contractor Professional Services	Development Svcs		EA	1	48,400	48,400			Х		ĺ		
Rugged Laptop & Accessories	Hardware	Special Vendor	EA	1	3,150	3,150			Х				
Rugged Laptop Support	Hardware	Special Vendor	EA	1	330	330			Х		ĺ		
Printer	Hardware	Special Vendor	EA	1	1,690	1,690			Х		1		
Media for the Printer	Hardware	Special Vendor	EA	1	155	155	1.015		Х		х		х
Printer Support (3 year option)	Hardware	Special Vendor	EA	1	1,075	1,075			Х		Í		
Scanner (Cordless Option)	Hardware	Special Vendor	EA	2	929	1,858			Х				
Scanner Support (Cordless option - 3											1		
years)	Hardware	Special Vendor	EA	2	182	364			х	ļ.	ļ		
PC System - Acquisition	Hardware				639	0						!	
PC System - Maintenance	Hardware				3,352	0					Í		
Laptop - Acquisition	Hardware				922	0							1
Laptop - Maintenance	Hardware				3,352	0						!	
Tablet Notebook - Acquisition	Hardware				1,069	0					1		
Tablet Notebook - Maintenance	Hardware				3,352	0					1		
File Space (100GB)	Hardware		ANN		23	0					Í		
Package Software - Acquisition	Software		ANN	1	24,731	24,731		х	Х	х	х	х	х
Package Software - Maintenance	Software		ANN	1	36,707	36,707	1.015	х	Х	х	х	х	х
Business Objects Access	Software					0					Í		
Term Emulation SFTW-Acquisition	Software					0							
Term Emulation SFTW-Maintenance	Software					0					1		
Oracle Enterprise Software Purchase -											Í		
Per Processor (4 Cores) - Requires										1	İ	1	
Annual Support Below	Infrastructure				42,280	0				1	1	i '	
Oracle Enterprise Software Support -												[
Per Processor (4 Cores)	Infrastructure				9,293	0	1.030				<u> </u>		

Date: 02/22/2022

Return on Investment Analysis

								Aff	ects	s Proj	ect F	201 ?
	Project Cost	Budget Category/Funding	Unit		Rate per		Annual					
Cost Description	Category	Source	Desc	Units	Unit	Total Cost	Multiplier	Y1	Y2	Y3 Y	'4 Y!	5 Y6
SQL Server Enterprise Software												
Purchase - Per Processor (4 cores) -												
Purchased Sept 2019-Aug 2020 -											ł	
Includes Support thru Aug 2022	Infrastructure				16,985	0					į.	
SQL Server Enterprise Software									İ			
Purchase - Per Processor (4 cores) -											ł	1
Purchased Sept 2020-Aug 2021 -											ł	
Includes Support thru Aug 2022	Infrastructure				12,724	0					į.	i
SQL Server Enterprise Software									İ			
Purchase - Per Processor (4 cores) -											1	
Purchased Sept 2021-Aug 2022 -											1	1
Includes Support thru Aug 2022	Infrastructure				8,463	0				Ì	ł	i i
SQL Server Enterprise - Support, Per												
Processor (4 cores) - Sept 2022 and											1	
Beyond	Infrastructure				4,261	0					į.	
SQL Server Standard Software									Ĩ			
Purchase - Per Processor (4 cores) -											į	į
Purchased Sept 2019-Aug 2020 -											į.	į į
Includes Support thru Aug 2022	Infrastructure				4,429	0					ł	Ì
SQL Server Standard Software												
Purchase - Per Processor (4 cores) -											1	1
Purchased Sept 2020-Aug 2021 -											Ì	1
Includes Support thru Aug 2022	Infrastructure				3,317	0						
SQL Server Standard Software												
Purchase - Per Processor (4 cores) -											1	
Purchased Sept 2021-Aug 2022 -											ł	1
Includes Support thru Aug 2022	Infrastructure				2,205	0					1	į.
SQL Server - Standard Support, Per											1	
Processor (4 cores) - Sept 2022 and											I	i
Beyond	Infrastructure				1,112	0						
Websphere Basic Per Processor											1	
Single/Dual Core - Includes Year 1									İ	Ì	Ì	Í
Maintenance	Infrastructure				3,769	0					ł	1

Return on Investment Analysis

								Af	ect	s Pr	ojec	t RO	1?
Cost Description	Project Cost Category	Budget Category/Funding Source	Unit Desc	Units	Rate per Unit	Total Cost	Annual Multiplier	Y1	Y2	Y3	Y4	Y5	Y6
Wahanhara Basis Dar Drassaaar											ļ		
Websphere Basic Per Processor	Infractructura				754	0					l		
Single/Dual Core - Year 2 and Beyond Websphere ND Per Processor	Infrastructure				754	0						\rightarrow	
Single/Dual Core - Includes Year 1													
Maintenance	Infrastructure				14 170	0					1		
	Initastructure				14,170	0		-					
Websphere ND Per Processor													
Single/Dual Core - Year 2 and Beyond	Infrastructure				2,835	0					1		
SSL Certificate	Infrastructure				2,833	0						\rightarrow	
Internet Access	Infrastructure				190	0						-+	
Imperva Web Application Firewall	IIIIIasti ucture				190	0					-i	\rightarrow	
(External Web Applications Only)	Infrastructure		ANN		500	0					l		
App Code Directories on Consolidated	IIIIIasti ucture				500	0							
IIS Server (Virtual)	Infrastructure		ANN		446	0							
	IIIIIastructure				440	0		1 1			- İ		
Extra Small - 2 Core 8GB RAM, 500GB													
Drive, 10 GB NIC - Cloud/Virtual = \$601											1		
On Premise Physical Server = \$2,735	Infrastructure		ANN			0					l		
	Innastructure					0						\rightarrow	
Small - 4 Core 16GB RAM, 500GB											1		
Drive, 10 GB NIC - Cloud/Virtual = \$951													
On Premise Physical Server = \$3,057	Infrastructure		ANN			0							
Medium - 8 Core 32GB RAM, 500GB			7										
Drive, 10 GB NIC - Cloud/Virtual =											Ì	l l	
\$1,702 On Premise Physical Server =													
\$8.715	Infrastructure		ANN			0							
Large - 16 Core 64GB RAM, 500GB												-	
Drive, 10 GB NIC - Cloud/Virtual =													
\$3,167 On Premise Physical Server =											1		
\$10,758	Infrastructure		ANN			0					1	ĺ	
Extra Large - 40 Core 192GB RAM,			1										
500GB Drive, 10 GB NIC - Cloud/Virtual								1			ļ		
= \$7,564 On Premise Physical Server =											1		
\$24,137	Infrastructure		ANN			0					1		

Return on Investment Analysis

			F	Potential Cos	st Extension	S	
	Project Cost						
Cost Description	Category	Y1	Y2	Y3	Y4	Y5	Y6
IT Hours - New Development	Development Svcs	263,670.00					
IT Hours - System Maintenance	Development Svcs		3,349.50	3,399.74	3,450.74	3,502.50	3,555.04
IT Hours - Customer Support	Development Svcs	6,600.00	6,699.00	6,799.49	6,901.48	7,005.00	7,110.07
IT Hours - Planned Maintenance	Development Svcs	1,650.00	1,674.75	1,699.87	1,725.37	1,751.25	1,777.52
User Hours - New Development	Development Svcs						
User Hours - PTNE/OT	Development Svcs						
Contractor Professional Services	Development Svcs		48,400.00				
Rugged Laptop & Accessories	Hardware		3,149.62				
Rugged Laptop Support	Hardware		330.00				
Printer	Hardware		1,690.00				
Media for the Printer	Hardware		156.82		161.56		166.44
Printer Support (3 year option)	Hardware		1,075.00				
Scanner (Cordless Option)	Hardware		1,858.00				
Scanner Support (Cordless option - 3							
years)	Hardware		364.00				
PC System - Acquisition	Hardware						
PC System - Maintenance	Hardware						
Laptop - Acquisition	Hardware						
Laptop - Maintenance	Hardware						
Tablet Notebook - Acquisition	Hardware						
Tablet Notebook - Maintenance	Hardware						
File Space (100GB)	Hardware						
Package Software - Acquisition	Software	24,731.00	24,731.00	24,731.00	24,731.00	24,731.00	24,731.00
Package Software - Maintenance	Software	36,706.51	37,257.11	37,815.96	38,383.20	38,958.95	39,543.34
Business Objects Access	Software						
Term Emulation SFTW-Acquisition	Software						
Term Emulation SFTW-Maintenance	Software						
Oracle Enterprise Software Purchase -							
Per Processor (4 Cores) - Requires							
Annual Support Below	Infrastructure						
Oracle Enterprise Software Support -							
Per Processor (4 Cores)	Infrastructure						

Return on Investment Analysis

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

Return on Investment Analysis

		Potential Cost Extensions						
Cost Description	Project Cost	Y1	Y2	Y3	Y4	Y5	Y6	
	Category	TI	12	13	14	15	10	
Websphere Basic Per Processor								
Single/Dual Core - Year 2 and Beyond	Infrastructure							
Websphere ND Per Processor								
Single/Dual Core - Includes Year 1								
Maintenance	Infrastructure							
			1					
Websphere ND Per Processor								
Single/Dual Core - Year 2 and Beyond	Infrastructure							
SSL Certificate	Infrastructure							
Internet Access	Infrastructure							
Imperva Web Application Firewall								
(External Web Applications Only)	Infrastructure							
App Code Directories on Consolidated								
IIS Server (Virtual)	Infrastructure		ļ					
Extra Small - 2 Core 8GB RAM, 500GB								
Drive, 10 GB NIC - Cloud/Virtual = \$601								
On Premise Physical Server = \$2,735								
- , ,	Infrastructure							
Small - 4 Core 16GB RAM, 500GB								
Drive, 10 GB NIC - Cloud/Virtual = \$951								
On Premise Physical Server = \$3,057	Infrastructure							
Medium - 8 Core 32GB RAM, 500GB	Innastructure							
Drive, 10 GB NIC - Cloud/Virtual =								
\$1,702 On Premise Physical Server =								
\$8,715	Infrastructure							
Large - 16 Core 64GB RAM, 500GB			1	8				
Drive, 10 GB NIC - Cloud/Virtual =								
\$3,167 On Premise Physical Server =								
\$10,758	Infrastructure							
Extra Large - 40 Core 192GB RAM,			1					
500GB Drive, 10 GB NIC - Cloud/Virtual								
= \$7,564 On Premise Physical Server =								
\$24,137	Infrastructure							

Oakland County -- Vehicle Operations Garage System Migration 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	263,670						263,670
IT Hours - System Maintenance		3,350	3,400	3,451	3,502	3,555	17,258
IT Hours - Customer Support	6,600	6,699	6,799	6,901	7,005	7,110	41,115
IT Hours - Planned Maintenance	1,650	1,675	1,700	1,725	1,751	1,778	10,279
User Hours - New Development							
User Hours - PTNE/OT							
Contractor Professional Services		48,400					48,400
Development Services Subtotal:	271,920	60,123	11,899	12,078	12,259	12,443	380,721
Hardware:			-				
Rugged Laptop & Accessories		3,150					3,150
Rugged Laptop Support		330					330
Printer		1,690					1,690
Media for the Printer		157		162		166	485
Printer Support (3 year option)		1,075					1,075
Scanner (Cordless Option)		1,858					1,858
Scanner Support (Cordless option - 3 years)		364					364
Hardware Subtotal:		8,623		162		166	8,951
Software:							
Package Software - Acquisition	24,731	24,731	24,731	24,731	24,731	24,731	148,386
Package Software - Maintenance	36,707	37,257	37,816	38,383	38,959	39,543	228,665
Software Subtotal:	61,438	61,988	62,547	63,114	63,690	64,274	377,051
Infrastructure:							
Infrastructure Subtotal							
Training: User Training (Vendor Provided) -							
Implementation	45.050						45.050
Implementation	15,950						15,950
User Training (Vendor Provided) - On-going		813	825	837	850	863	4,188
Training Subtotal:	15,950	813	825	837	850	863	20,138
Other:							
Other Subtotal:							
Costs Total:	349,308	131,548	75,271	76,191	76,799	77,746	786,862
00313 10101.	549,500	131,040	10,211	70,191	10,133	11,140	100,002

Return on Investment Analysis

Assumptions

Date	Assumption Description
	Assumes migrations from on-premises Faster application to web, Cloud-based version
	Assumes migrations from on-premises raster application to web, cloud-based version Assumes migration of data from existing system to new system
22-Api-22	Assumes vendor will be conducting user training
20 Jun 22	Assumes vendor will be conducting user training Assumes the hardware presented in the quote from the vendor will cover the operational need to support this system.
29-Juii-22	Assumes media for printer will need to be purchased every other year
03-301-22	