Project Name: Clerks - Document Certification Process Project ID: DB3212DC

Leadership	Leadership Group: Courts											
Departmen	t: Clerk/Regi	ster of Deeds			Division: County Clerk							
Project Sponsor: Jennifer Howden			Date Requ	Date Requested: 3/16/2022			er No. 212					
Request Ty	rpe: New	Development										
IT Team Na	me: Courts				IT Team No: B							
Project Ma	nager/Leader	: Beth Gleason	1									
Account Number:	95161	Account Description:	Clerk/R	eg – \	Vital Statistics	Customer Name:	Clerk/Reg – Vital Statistics					
Grant Funded? No				ndate? No ndate Source:								

Project Goal

To evaluate options and implement a solution to improve the process for certifying and delivering documents ordered online from the County Clerk's Office so that documents are secure and verified from Oakland County.

Business Objective

To electronically certify and deliver court and vital records to customers who order documents through the county online system and/or Court Explorer. Allow customers and others in receipt of the certified copies to validate the electronically certified records. Electronically deliver non-certified copies of court records in a more secure method other than email, possibly using a link and key combination. Distribute ordered documents to the public more efficiently and with additional security.

Major Deliverables

- High level requirements document
- Creation of a Request for Proposal document
- Develop a recommendation to be presented to County leadership
- Implement a document a document certification solution to integrate with Court Explorer, Access Oakland, Laserfiche, Online Vitals, and VRMS

Approach

- Review current business process and conduct needs assessment with customer.
- Market Study & Analysis/Discussions with other Counties

Project Name: Clerks - Document Certification Process Project ID: DB3212DC

Research & Analysis

Gartner Research Recommendation

Benefits

See Return on Investment (ROI) Analysis Document

Impact

Number of Users 20 Users Sending Electronic Documents

Unlimited (Public) Receiving Documents

Divisions County Clerk

Leadership Groups Court

<u>Risk</u>

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: <u>Name:</u> <u>Hours per Day</u>

Project Sponsor Jennifer Howden As Needed

Project ID: DB3212DC

Project Name: Clerks - Document Certification Process Project ID: DB3212DC

PROJECT PHASE AUTHORIZATION

Phase(s): All		
Total Estimated Application Services	Hours: 1,809	
Total Estimated Technical Systems	Hours: 109	
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: Y	es No	Date:
Reason:		
Project Sponsor Approval:		
Title:		Date:

PROJECT SUMMARY

Authorized Development (see above)	Hours: 1,918
Preliminary Estimated Development for Future Phases	Hours:
Crand Total Fatimated Davelonment	Haura, 4.049 Coot, \$246.470
Grand Total Estimated Development	Hours: 1,918 Cost: \$316,470

Project Name: Clerks - Document Certification Process Project ID: DB3212DC

PROJECT COMPLETION AUTHORIZATION

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

Clerks - Document Certification Process - Size Estimate (+/- 10% to 50%)

1	Туре	ID	Task Name	Estimated	Estimate Notes
2				Hours	
3	Phase	000000	PROJECT MANAGEMENT	492	
4	Phase	200000	DEFINE BUSINESS REQUIREMENTS	103	
5	Phase	200500	DEVELOP RFP AND SELECT VENDOR	187	
6	Phase	300000	DESIGN SYSTEM ARCHITECTURE	99	
7	Phase	500000	DEVELOP APPLICATION	829	
8	Phase	900000	TRAINING AND TRANSITION PHASE	20	
9	Phase	600000	IMPLEMENTATION PHASE	138	
10	Phase	080000	POST IMPLEMENTATION SUPPORT	50	
11				1,918	

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:	12,393	12,517	12,642	12,768	12,896	13,025	76,242
Cost Avoidance Subtotal:	25,202	25,454	25,709	25,966	26,225	26,488	155,043
Costs:							
Development Services Subtotal:	338,970	8,374	8,499	8,627	8,756	8,888	382,114
Hardware Subtotal:	0	0	0	0	0	0	0
Software Subtotal:	11,000	11,000	11,000	11,000	11,000	11,000	66,000
Infrastructure Subtotal	0	0	0	0	0	0	0
Training Subtotal:	0	0	0	0	0	0	0
Other Subtotal:	0	0	0	0	0	0	0
Annual Statistics:							
Annual Total Savings	37,595	37,971	38,351	38,734	39,121	39,513	231,285
Annual Total Costs	349,970	19,374	19,499	19,627	19,756	19,888	448,114
Annual Return on Investment	(312,375)	18,597	18,851	19,107	19,365	19,625	(216,829)
Annual Costs/Savings Ratio	930.90%	51.02%	50.84%	50.67%	50.50%	50.33%	, , ,
Project Cumulative Statistics:							
Cumulative Total Savings	37,595	75,566	113,916	152,651	191,772	231,285	231,285
Cumulative Total Costs	349,970	369,344	388,843	408,470	428,226	448,114	448,114
Cumulative Return on Investment	(312,375)	(293,778)	(274,927)	(255,819)	(236,454)	(216,829)	(216,829)
Cumulative Cost/Savings Ratio	930.90%	488.77%	341.34%	267.58%	223.30%	193.75%	193.75%
Year Positive Payback Achieved							NO PAYBACK
State or Federal Mandate?							NO 17(1B/(O)(
Signatures:							
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Benefits Reviewed By Project Sponsor				Date:			
Costs (including IT Resources) Reviewed By Information Technology Project Manager				Date:			

Return on Investment Analysis Savings Detail

	Project Savings		Unit		Rate per		Annual
Benefit/Savings Description	Category	Budget Category/Funding Source	Desc	Units	Unit	Total Savings	Multiplier
Security paper costs for online orders -							
vitals	Tangible Benefit	Account 731388	ANN	1	3,476	3,476	1.010
envelope costs - vitals	Tangible Benefit	Account 750399	ANN	1	1,007	1,007	1.010
postage costs - vitals	Tangible Benefit	Account 750392	ANN	1	7,540	7,540	1.010
postage costs - legal	Tangible Benefit	Account 750392	ANN	1	188	188	1.010
envelope costs - legal	Tangible Benefit	Account 750399	ANN	1	182	182	1.010
Staff savings	Cost Avoidance		ANN	1	25,202	25,202	1.010
Dramatically saves time delivering							
certified documents to customers by							
not using first class mail	Intangible Benefit						
More secure method of transmission	Intangible Benefit					0	
Negates any large file transfer issues							
with email providers	Intangible Benefit					0	
More accessible to customers and the							
agencies requesting certified							
documents, example: a customer who							
requests a certified copy of a record							
can then email that certified document							
to the agency/department/institution							
that is requesting the information from							
the customer	Intangible Benefit					0	
						0	
						0	
						0	
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Return on Investment Analysis Savings Detail

		Af	fect	s P	roje	ct R	OI?	Potential Savings Extensions						
Donastit/Consistent Donastickian	Project Savings	V4	V0	V2		Ve	. Vo	V4	V0	V2	V4	V.5	VC.	
Benefit/Savings Description	Category	¥1	ΥZ	13	<u> 14</u>	<u> 15</u>	Y6	Y1	Y2	Y3	Y4	Y5	Y6	
Security paper costs for online orders -	T 11 D 61		!	ļ	1	İ	1					0.04-10		
vitals	Tangible Benefit						Х	3,475.96	3,510.72	3,545.83	3,581.29	3,617.10	3,653.27	
envelope costs - vitals	Tangible Benefit						Х	1,007.00	1,017.07	1,027.24	1,037.51		1,058.37	
postage costs - vitals	Tangible Benefit					_	Х	7,540.00		7,691.55	7,768.47		7,924.62	
postage costs - legal	Tangible Benefit	Х	Χ	Х			Х	188.00		191.78	193.70		197.59	
envelope costs - legal	Tangible Benefit	Х	Х	Х	Х	Х	Х	182.00	183.82	185.66	187.51		191.28	
Staff savings	Cost Avoidance	Х	Х	Х	Х	Х	Х	25,202.00	25,454.02	25,708.56	25,965.65	26,225.30	26,487.56	
Dramatically saves time delivering				Ī	1	I								
certified documents to customers by			į	į	1	•	į							
not using first class mail	Intangible Benefit		•	į	1	•	1						i !	
More secure method of transmission	Intangible Benefit		İ	İ	1	1	1	1						
Negates any large file transfer issues				!	1	1	1		i !		i !			
with email providers	Intangible Benefit		l	ĺ			İ	•					! !	
More accessible to customers and the		1	İ	İ	1	1	1							
agencies requesting certified			ļ	!	-	-	į	-	 		 		 	
documents, example: a customer who			!	ļ	1	İ	1		! ! !		! ! !		į	
requests a certified copy of a record			ļ	ŀ	1	1	1		! ! !		! ! !	! ! !	į	
can then email that certified document			į	ļ	į		İ						į	
to the agency/department/institution			ļ	ļ	1	•	į						j I	
that is requesting the information from			į	į	1	İ	į						i	
the customer	Intangible Benefit		•	į	1	•	1						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:							
Security paper costs for online orders - vitals	3,476	3,511	3,546	3,581	3,617	3,653	21,384
envelope costs - vitals	1,007	1,017	1,027	1,038	1,048	1,058	6,195
postage costs - vitals	7,540	7,615	7,692	7,768	7,846	7,925	46,386
envelope costs - legal	182	184	186	188	189	191	1,120
postage costs - legal	188	190	192	194	196	198	1,157
Tangible Benefits Subtotal:	12,393	12,517	12,642	12,768	12,896	13,025	76,242
Cost Avoidance:							
Staff savings	25,202	25,454	25,709	25,966	26,225	26,488	155,043
Cost Avoidance Subtotal:	25,202	25,454	25,709	25,966	26,225	26,488	155,043
Intangible Benefit:							
Dramatically saves time delivering certified documents to customers by not using first class mail							
More secure method of transmission							
Negates any large file transfer issues with email providers							
More accessible to customers and the agencies requesting certified documents, example: a customer who requests a certified copy of a record can then email that certified document to the agency/department/institution that is requesting the information from the customer							
Savings Total:	37,595	37,971	38,351	38,734	39,121	39,513	231,285

								Af	Affects Project I			t R0)I?
	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	1,918	165	316,470	1.015	Х	ŀ				
IT Hours - System Maintenance	Development Svcs		HR	10	165	1,650	1.015			Х	Х	Х	Х
IT Hours - Customer Support	Development Svcs		HR	20	165	3,300	1.015		Х	Х	Х	Х	Х
IT Hours - Planned Maintenance	Development Svcs		HR	20	165	3,300	1.015		Х	Х	Х	Х	Х
User Hours - New Development	Development Svcs					0				!	!		1
User Hours - PTNE/OT	Development Svcs					0				•	į		1
Contractor Professional Services	Development Svcs		HR	100	225	22,500		Х	İ	!	!		
PC System - Acquisition	Hardware				687	0				į	į		[
PC System - Maintenance	Hardware				2,936	0			Î	Î	î !		ĺ
Notebook - Acquisition	Hardware				1,115	0				İ	İ		ĺ
Notebook - Maintenance	Hardware				3,024	0				İ	į		ĺ
Tablet Notebook - Acquisition	Hardware				1,421	0							
Tablet Notebook - Maintenance	Hardware				2,800	0				İ	İ	İ	ĺ
Laserprinter - Acquisition	Hardware				1,432	0				İ	İ		ĺ
Laserprinter - Maintenance	Hardware				1,408	0					ļ	İ	
PC Maintenance User Owned	Hardware				2,720	0			Ì	Ì	Ì		İ
Printer Maintenance User Owned	Hardware				1,264	0						İ	
File Space (100GB)	Hardware		ANN		23	0				İ	į		İ
Package Software - Acquisition	Software					0			î !	•	•	•	ĺ
Document Certification Licenses	Software		ANN	1	11,000	11,000		Х	Х	Х	Х	Х	Х
Business Objects Access	Software					0				İ	İ		1
Term Emulation SFTW-Acquisition	Software					0						İ	į
Term Emulation SFTW-Maintenance	Software					0			î !	•	•	•	:
Server - Acquisition/Upgrade	Infrastructure				8,000	0				!	!	i	•
Server - Maintenance	Infrastructure				360	0			<u> </u>	ļ	ļ	į	!
Server Sftwre - Acquisition/Upgrade	Infrastructure				335	0			î !				:
Server Sftwre - Maintenance	Infrastructure					0				į	į	İ	į
Server Rack Mount	Infrastructure				400	0				!		İ	1
Oracle Enterprise Software Purchase -												İ	į
Per Processor (4 Cores) - Requires									İ	į	İ	İ	ĺ
Annual Support Below	Infrastructure				42,280	0			İ	İ	ĺ	İ	İ
Oracle Enterprise Software Support -					•					!	<u> </u>		<u> </u>
Per Processor (4 Cores)	Infrastructure				9,293	0	1.030		İ	į	į	İ	İ

								Aff	Affects Project F		ROI?	
	Project Cost	Budget Category/Funding	Unit		Rate per		Annual	i				
Cost Description	Category	Source	Desc	Units	Unit	Total Cost	Multiplier	Y1	Y2	Y3	Y4	Y5 Y6
SQL Server Enterprise Software									ŀ		į	$\overline{}$
Purchase - Per Processor (4 cores) -									ļ	ļ	į	
Purchased Sept 2019-Aug 2020 -								li	į	ı	į	•
Includes Support thru Aug 2022	Infrastructure				16,985	0		li	į	İ	i	
SQL Server Enterprise Software									ĺ	- 1		I
Purchase - Per Processor (4 cores) -									ļ	ļ	į	
Purchased Sept 2020-Aug 2021 -									į	- 1	ı	İ
Includes Support thru Aug 2022	Infrastructure				12,724	0		li	į	į	į	
SQL Server Enterprise Software									Ì			
Purchase - Per Processor (4 cores) -										į	i	İ
Purchased Sept 2021-Aug 2022 -								li	į	ı	į	
Includes Support thru Aug 2022	Infrastructure				8,463	0			į	- 1	ĺ	İ
SQL Server Enterprise - Support, Per									į		I	
Processor (4 cores) - Sept 2022 and									ļ	- 1	į	
Beyond	Infrastructure				4,261	0		li	į	ı	į	
SQL Server Standard Software									ĺ		ŀ	
Purchase - Per Processor (4 cores) -									į	į	į	İ
Purchased Sept 2019-Aug 2020 -								li	į	ı	į	
Includes Support thru Aug 2022	Infrastructure				4,429	0			į	- 1	ĺ	İ
SQL Server Standard Software									ļ	I	ı	
Purchase - Per Processor (4 cores) -									ļ	- 1	į	
Purchased Sept 2020-Aug 2021 -								li	į	ı	į	
Includes Support thru Aug 2022	Infrastructure				3,317	0			İ	- 1	į	İ
SQL Server Standard Software									l	į	į	
Purchase - Per Processor (4 cores) -									ļ	- 1	ŀ	
Purchased Sept 2021-Aug 2022 -									İ	- 1	ĺ	İ
Includes Support thru Aug 2022	Infrastructure				2,205	0			ļ	I	i	
SQL Server - Standard Support, Per									i			
Processor (4 cores) - Sept 2022 and								li	į	ı	į	
Beyond	Infrastructure				1,112	0		li	į	ı	į	İ
Websphere Basic Per Processor									į		į	
Single/Dual Core - Includes Year 1									į	ı	i	i
Maintenance	Infrastructure				3,506	0		ĺ	į	1		<u> </u>

								Af	fects	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	Y4 `	Y5 Y6
Websphere Basic Per Processor										ļ		
•	Infrastructure				701	0			ļ	į	į	
Websphere ND Per Processor	imasiruoturo				701	0		H				
Single/Dual Core - Includes Year 1								li		į	į	
_	Infrastructure				13,180	0		li	ĺ	- 1	ı	
Maintenance	iiiiasiiuciuie				13,100	0		H			-	+
Websphere ND Per Processor										į		
I :	Infrastructure				2,635	0		li		į	i	
	Infrastructure				845	0					i	
Internet Access	Infrastructure				180	0						
Imperva Web Application Firewall								1		İ		
(External Web Applications Only)	Infrastructure		ANN		500	0			ļ	İ	Ī	
App Code Directories on Consolidated										į	į	
IIS Server (Virtual)	Infrastructure		ANN		415	0		li			į	
Dedicated Virtual Server	Infrastructure		ANN		4,150	0				İ		
										į	į	
Extra Small - 2 Core 8GB RAM, 500GB								li		į	į	
Drive, 10 GB NIC - Cloud/Virtual = \$601									ļ	İ	ĺ	
On Premise Physical Server = N/A	Infrastructure		ANN			0						
											į	
Small - 4 Core 16GB RAM, 500GB									ļ	İ	ĺ	
Drive, 10 GB NIC - Cloud/Virtual = \$951										ļ		
•	Infrastructure		ANN			0		li		İ	i	
Medium - 8 Core 32GB RAM, 500GB											i	
Drive, 10 GB NIC - Cloud/Virtual =									ļ	į	į	
\$1,702 On Premise Physical Server =										- 1	į	
	Infrastructure		ANN			0		li			į	
Large - 16 Core 64GB RAM, 500GB										İ	İ	
Drive, 10 GB NIC - Cloud/Virtual =										į	- 1	
\$3,167 On Premise Physical Server =											ı	
\$10,446	Infrastructure		ANN		<u> </u>	0		Li		İ	i	•

								Af	fect	s Pr	ojec	t RO) ?
	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
Extra Large - 40 Core 160GB RAM,										ļ			
500GB Drive, 10 GB NIC - Cloud/Virtual										•		. !	
= \$7,564 On Premise Physical Server =										•		. !	
\$12,906	Infrastructure		ANN			0				į		į	
Project Staff Training	Training					0						ĺ	
User Training	Training					0							
		·										: I	

			Po	tential Cost	Extensions		
	Project Cost						
Cost Description	Category	Y1	Y2	Y3	Y4	Y5	Y6
IT Hours - New Development	Development Svcs	316,470.00					
IT Hours - System Maintenance	Development Svcs		1,674.75	1,699.87			1,777.52
IT Hours - Customer Support	Development Svcs		3,349.50	3,399.74		3,502.50	3,555.04
IT Hours - Planned Maintenance	Development Svcs		3,349.50	3,399.74	3,450.74	3,502.50	3,555.04
User Hours - New Development	Development Svcs						
User Hours - PTNE/OT	Development Svcs						
Contractor Professional Services	Development Svcs	22,500.00					
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						
PC Maintenance User Owned	Hardware						
Printer Maintenance User Owned	Hardware						
File Space (100GB)	Hardware						
Package Software - Acquisition	Software						
Document Certification Licenses	Software	11,000.00	11,000.00	11,000.00	11,000.00	11,000.00	11,000.00
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 Software Purchase -							
Per Processor (4 Cores) - Requires							
Annual Support Below	Infrastructure						
Oracle Enterprise Software Support -							
Per Processor (4 Cores)	Infrastructure						

		Potential Cost Extensions						
2 (2)	Project Cost	2/4	\/a				>/0	
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							

		Potential Cost Extensions						
Cost Description	Project Cost Category	Y1	Y2	Y3	Y4	Y5	Y6	
Cost Description	Category	- 11	12	<u> </u>	14	10	10	
Websphere Basic Per Processor			į	İ				
Single/Dual Core - Year 2 and Beyond	Infrastructure		į	į				
Websphere ND Per Processor			!	<u>!</u>	<u> </u>	<u> </u>	<u> </u>	
Single/Dual Core - Includes Year 1								
Maintenance	Infrastructure							
Websphere ND Per Processor								
Single/Dual Core - Year 2 and Beyond	Infrastructure		i !					
SSL Certificate	Infrastructure							
Internet Access	Infrastructure		<u> </u>	!		<u> </u>		
Imperva Web Application Firewall	ininacti actare					j		
(External Web Applications Only)	Infrastructure							
App Code Directories on Consolidated			! !	!				
IIS Server (Virtual)	Infrastructure			i !		i !		
Dedicated Virtual Server	Infrastructure							
Extra Small - 2 Core 8GB RAM, 500GB								
Drive, 10 GB NIC - Cloud/Virtual = \$601			į					
On Premise Physical Server = N/A	Infrastructure							
			i	İ				
Small - 4 Core 16GB RAM, 500GB								
Drive, 10 GB NIC - Cloud/Virtual = \$951								
On Premise Physical Server = \$9,288	Infrastructure							
Medium - 8 Core 32GB RAM, 500GB								
Drive, 10 GB NIC - Cloud/Virtual =			!				i !	
\$1,702 On Premise Physical Server =								
\$9,751	Infrastructure		!	!				
Large - 16 Core 64GB RAM, 500GB								
Drive, 10 GB NIC - Cloud/Virtual =			İ	İ		İ		
\$3,167 On Premise Physical Server =			ļ	ļ				
\$10,446	Infrastructure		}					

		Potential Cost Extensions								
Cost Description	Project Cost Category	Y1	Y2	Y3	Y4	Y5	Y6			
Extra Large - 40 Core 160GB RAM,				!						
500GB Drive, 10 GB NIC - Cloud/Virtual			i I I	i !	i I I	i I I	i I I			
= \$7,564 On Premise Physical Server =										
\$12,906	Infrastructure			•						
Project Staff Training	Training						i i			
User Training	Training									
] 	! !]]]]]			
			- 		- 	- 	- 			
) 	i I			

Return on Investment Analysis Cost Summary

Development Services: IT Hours - New Development IT Hours - System Maintenance IT Hours - Customer Support IT Hours - Planned Maintenance User Hours - New Development User Hours - PTNE/OT Contractor Professional Services Development Services Subtotal: Hardware: Hardware Subtotal: Software:		Year 2	Year 3	Year 4	Year 5	Year 6	Total
IT Hours - New Development IT Hours - System Maintenance IT Hours - Customer Support IT Hours - Planned Maintenance User Hours - New Development User Hours - PTNE/OT Contractor Professional Services Development Services Subtotal: Hardware: Hardware Subtotal:							
IT Hours - System Maintenance IT Hours - Customer Support IT Hours - Planned Maintenance User Hours - New Development User Hours - PTNE/OT Contractor Professional Services Development Services Subtotal: Hardware: Hardware Subtotal:	316,470						316,470
IT Hours - Customer Support IT Hours - Planned Maintenance User Hours - New Development User Hours - PTNE/OT Contractor Professional Services Development Services Subtotal: Hardware: Hardware Subtotal:		1,675	1,700	1,725	1,751	1,778	8,629
IT Hours - Planned Maintenance User Hours - New Development User Hours - PTNE/OT Contractor Professional Services Development Services Subtotal: Hardware: Hardware Subtotal:		3,350	3,400	3,451	3,502	3,555	17,258
User Hours - New Development User Hours - PTNE/OT Contractor Professional Services Development Services Subtotal: Hardware: Hardware Subtotal:		3,350	3,400	3,451	3,502	3,555	17,258
User Hours - PTNE/OT Contractor Professional Services Development Services Subtotal: Hardware: Hardware Subtotal:			·				•
Development Services Subtotal: Hardware: Hardware Subtotal:							
Hardware: Hardware Subtotal:	22,500						22,500
Hardware Subtotal:	338,970	8,374	8,499	8,627	8,756	8,888	382,114
	,		·	·		,	
	11,000	11,000	11,000	11,000	11,000	11,000	66,000
	,	,	,	,	,	,	,
Software Subtotal:	11,000	11,000	11,000	11,000	11,000	11,000	66,000
Infrastructure:	11,000	11,000	11,000	7.7,000	11,000	,	
Infrastructure Subtotal							
Training:							
Training Subtotal:							
Other:							
Other Subtotal:	l l						
Costs Total:							

Return on Investment Analysis
Assumptions

Date	Assumption Description
09-Jun-22	Savings based on all vital certified orders processed through new solution.
	Estimate based on creating RFP, OC IT assisting in evaluating vendors, documenting requirements for modifying 5 systems, and deploying
09-Jun-22	solution to integrate with 5 OC systems.