County IT Projects

Quarterly Progress Report

1st Quarter, FY 24-25 Jul 1 – Sep 30, 2024



Summary

Attachment A



The Quarterly OC Information Technology (OCIT) Project Progress Report provides the status of all County IT projects with a budget of \$150,000 or more and/or that have been identified as meriting the Board of Supervisors' attention.

The IT projects included in this report reflect the County's ongoing commitment to align IT with the County's business values. Projects included in the portfolio cover the upgrade or replacement of aging infrastructure and end-of-life systems and investment in new, innovative, and reliable technology and platforms. These projects also enhance the County's ability to maintain critical business operations, improve productivity, and deliver more and better services to constituents.

In addition to project status updates, this report also describes the County's IT overall project performance trends over the last 12 quarters.

Highlights



At a Glance

The number of projects in this reporting period is 17, three less than the number reported in the previous quarter. Four projects were completed last quarter: CEO-Human Resource Services' HRS Onboarding, Health Care Agency's CHORUS, John Wayne Airport's Baggage Handling System, and OCIT's County Enterprise External Firewall Cluster Enhancements. One project was added this quarter: Juvenile Hall Switch Migration (Probation). The total budget decreased from \$50,406,380 to \$18,435,344.



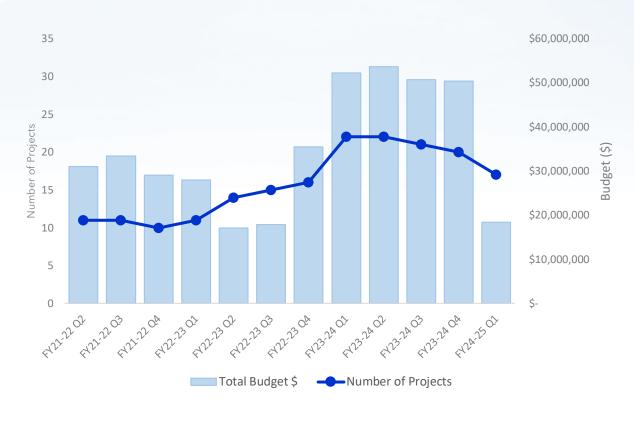
Key Accomplishments

Four projects were successfully completed in FY24-25 Q1: OCIT's eDiscovery Tool and Legacy Application Restoration; Social Services Agency's (SSA) Qualtrics Call Center Analytics; and Treasurer-Tax Collector's (TTC) Web Property Tax Inquiry & Payment System.

IT Portfolio Size and Budget



This chart depicts the County's IT project portfolio size and budget trends over the last 12 quarters.



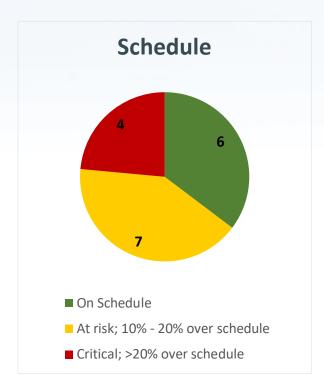
- The number of active projects is 17, three less than the number of projects reported in the previous quarter.
- Project data from the last 12 quarters show an average of 15.8 and a median of 15.5 projects.
- The total portfolio budget decreased by \$31,971,036.

Portfolio Performance





The charts below depict the County's IT project portfolio schedule and budget performance of the active and completed projects during the reporting period.





During this reporting period, 11 projects have experienced schedule delays, and one project exceeded its original or rebaselined budget. Details concerning schedule delays and budget overages are available in the Project Dashboard included with this report.

Resource availability, scope changes, and project dependencies are the primary contributors to project schedule delays. The budget overage was due to scope changes and additional licensing costs.

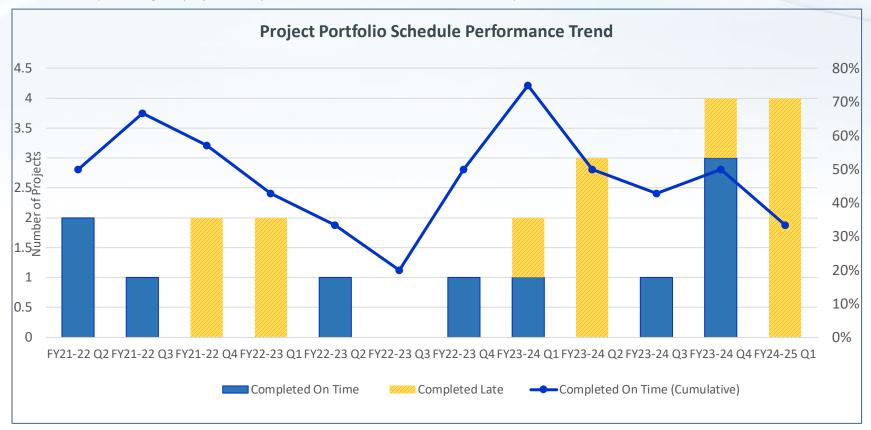
Portfolio Performance Trend



The chart below depicts the County's IT project schedule performance trend for the projects that were completed over the last 12 quarters.

The bars reflect the total number of projects completed in each quarter and the number completed on schedule.

The line reflects the percentage of projects completed on schedule over four consecutive quarters.

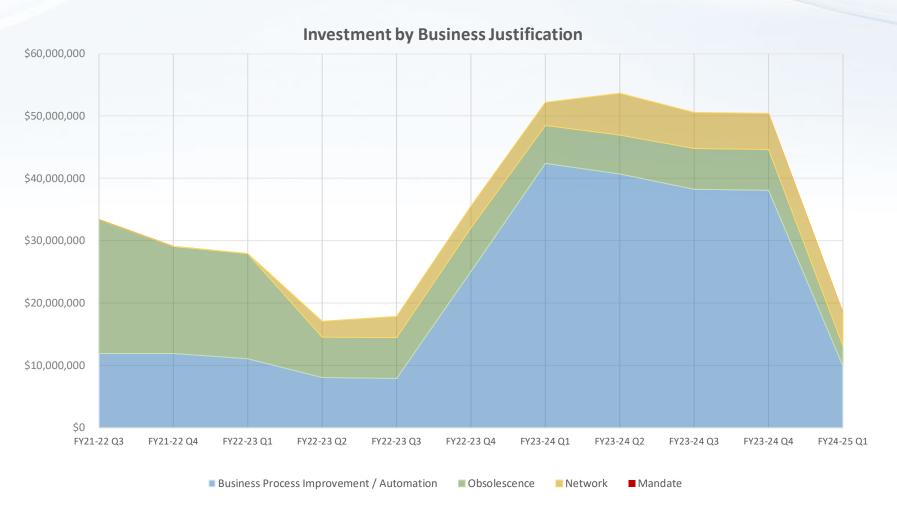


This portfolio budget performance trend may reflect the County's cost-schedule tradeoff decisions to stay within resource and budget constraints at the expense of schedule.

Project Investment Trends



Projects intended to improve or automate business processes account for 53.8% of the County's IT budget this quarter. Projects for replacing end-of-life or obsolete systems account for 17.5% of the budget. Network projects account for 28.7% of the budget.



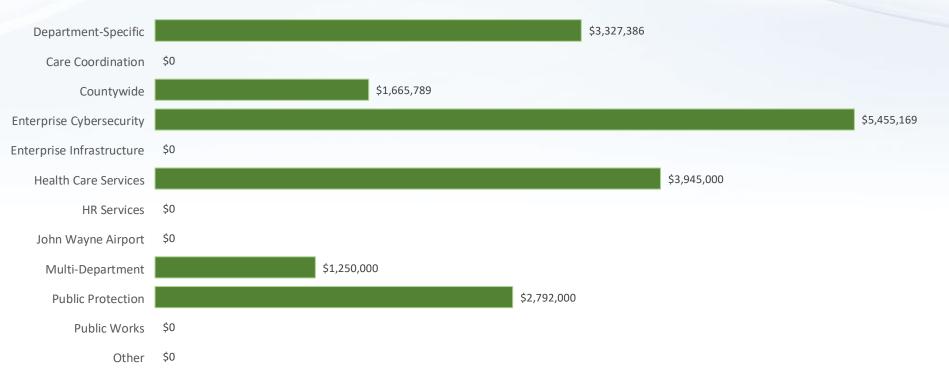
The chart above reflects projects that were active or completed during each quarter.

Investment by Service Area





Enterprise Cybersecurity projects account for the largest share of the County's IT project investments this quarter. Health Care Services, Department Specific, and Public Protection projects also have a significant share of the IT project budget.



The chart above reflects projects that were active or completed during this reporting period.

Attachment A



Managing Dept.	Business Owner	Project Description	Budget	Schedule	Schedule / Budget	Project Phase - Status as of End of Reporting Period Key Highlights Since End of Reporting Period	% Completed
НСА	НСА	iConnect Lab Portal - The development and implementation of the iConnect Lab Web Portal will provide Public Health Lab (PHL) the ability to facilitate electronic transmissions of specimen request and patient demographic data from clients external to the Health Care Agency's (HCA) Electronic Health Record system. The iConnect solution will share external specimen results electronically with Cerner through the LIMSConnect ETOR platform service. The integration between Cerner and the Lab Web Portal will reduce errors and save staff resource time and shall be performed by HPG.			Planned Start: 03/31/23 Planned End: 06/30/24 02/28/24 10/31/24 Budget: \$ 349,500 Expended: \$ 198,466 Encumbered: \$ 0 Balance: \$ 151,534 Source: ELC2 (Federal)	Execution – Migrated LIMSConnect interface build to new Cerner RHO environment; resumed build and testing. Addressed Cerner connectivity issues; validated Cerner connectivity and data on sample HL7 messages; conducted integration testing. Continued development of TRF Batch Upload template and data mapping; validated user roles and barcodes; continued to meet with HPG/iConnect on deliverables and strategies for integration of LIMSConnect. In next period, complete LIMSConnect interface testing, validate results report, and fine tune full order/results report and clean up scripting. Finalize integration testing and data validation on sample HL7 messages; finalize TRF Batch Upload template and data mapping in Cerner. Finalize discrete results and barcode labels; conduct QC1 final testing; migrate to Sandbox for final UAT. Continue to meet with HPG/iConnect on deliverables and strategies for integration of LIMSConnect. Risk Mitigation Possible impact of non-availability of PHL staff due to competing priorities; will continue collaboration and communication with PHL to ensure availability. Budget is based on ELC2 funding and budgeted funds must be used by July 2025; to ensure project is completed and funds are spent within the project timeline. Vendor resource change; to implement change and continue to anticipate and plan for possible changes, assess their impact and feasibility, and communicate changes as needed. Network connectivity issues; to continue collaboration and communication with County resources and vendors to ensure availability.	74%





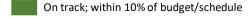
Managing Dept.	Business Owner	Project Description	Budget	Schedule / Budget	Project Phase - Status as of End of Reporting Period Key Highlights Since End of Reporting Period	% Completed		
НСА	НСА	Multi-Drug Resistant Organism (MDRO) Data Exchange - Software development project for a custom MDRO Data Exchange to accommodate LTACH, ACH, and SNFs to ensure appropriate handling of patients with MDROs. The solution will include logical workflows, scalability, configurations, reporting, and interoperability. The final product will be hosted as a Software as a Service (SaaS) solution and will provide data processing, high-quality user experience, and up-to- date architecture and security infrastructure to future-proof the system.		Planned Start: 09/23/23 Planned End: 09/30/24 12/31/24 Budget: \$ 3,595,000 Expended: \$ 1,992,000 Encumbered: \$ 0 Balance: \$ 1,603,000 Source: ELC2 (Federal)	In next period, to complete ingestion of messages from CalREDIE, reports and dashboard & alerts, batch upload of DDP, deduplication, production go live. Risk Mitigation Possible impact of non-availability of PHL staff due to other competing priorities; to continue collaboration and communication with PHL to ensure availability.	70%		
OCIT	СОВ	OC Agenda - Implement an Agenda Management replacement solution that meets the County's requirements of the agenda process lifecycle (creating Agenda Staff Reports (ASRs), compiling ASRs/publishing agendas, posting meeting minutes, and archiving).		Planned Start: 05/07/20 Planned End: 06/30/21 10/25/21 06/25/22 09/30/22 03/27/23 09/26/23 12/31/23 03/31/24 10/22/24 Budget: \$ 1,365,617 \$ 1,451,708 \$ 1,515,789 Expended: \$ 1,442,926 Encumbered: \$ 41,600 Balance: \$ 31,263 Source: General Fund	Execution – Vendor working on correcting functionality issues. In next period, to complete go/no go decision. Risk Mitigation Major issue with agenda compiler occurred during final testing; impacted multiple customers. Waiting for vendor to fix issues. Set up biweekly progress meetings and weekly check-ins; continue to test functionality as delivered.	89%		
	On track; within 10% of budget/schedule At risk; 10% - 20% over budget/schedule Critical: >20% over budget/schedule							

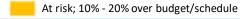
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Managing Dept.	Business Owner	Project Description	Budget	Schedule	Schedule / Budget	Project Phase - Status as of End of Reporting Period Key Highlights Since End of Reporting Period	% Completed
OCIT	Multi	Access Control Conversion - Migrate identified County Lenel badge system components to the Genetec platform to reduce material and licensing costs and improve maintenance support channels.			Planned Start: 02/01/23 Planned End: 06/24/24 12/31/24 Budget: \$ 448,665 \$ 648,665 Expended: \$ 433,884 Encumbered: \$ 206,230 Balance: \$ 8,551 Source: General Fund	Execution - Completed detailed site cutover activities and developed BRM approach and kickoff presentation; completed badge design and template development; provided Lenel database to vendor for final conversion; conducted train the trainer sessions with Physical Security team and vendor; ordered tasks and set order of operations for sites. In next period, to verify data consistency; restore final converted database to new Security Center 5.12; establish cutover schedule; cutover pilot facility, and complete duress testing for first location. Risk Mitigation Failure to maintain consistency between Lenel and Genetec databases during migration; generate automated weekly reports that indicate consistency between the two databases.	58%
OCIT	Multi	County Enterprise Network Redundancy - The purpose of this project is to upgrade and enhance the County network infrastructure in the County Administration South (CAS) building to build additional redundancy in case of network or internet service failure at the Orange County Data Center (OCDC).		*	Planned Start: 10/10/22 Planned End: 05/02/23 10/15/23 06/30/24 11/04/24 05/30/25 Budget: \$ 2,517,647 Expended: \$ 1,891,082 Encumbered: \$ 263 Balance: \$ 626,302 Source: General Fund, OCIT	Execution – Redundancy implementation nearly complete; initiated documentation. ISE node configuration complete. In next period, complete documentation and redundancy implementation (configuration of firewalls and internet redundancy from OCDC to CAS); configure Palo Alto firewalls. Risk Mitigation Contract amendment 2 executed 1/11/24, realigning project dates and extending completion date to 6/30/24 due to scope increase, project extension, and modifying equipment and associated services, pre-dependent on completion of NCY5-006 – Palo Alto project. Contract amendment 3 approved to extend the End Date to 11/4/2024 due to pre-requisites. Contract amendment 4 approved to extend end date to 5/30/2025 to yield to the Freeze Calendar due to the elections and other agency freezes. Project rebaselined.	79%

^{**} Project will be baselined after initiation or procurement activities are complete.





^{*} Project has been rebaselined.





Managing Dept.	Business Owner	Project Description	Budget	Schedule	Schedule / Budget	Project Phase - Status as of End of Reporting Period Key Highlights Since End of Reporting Period	% Completed
OCIT	Multi	eDiscovery Tool - Implementation of Exterro eDiscovery Case Management System will provide an end-to-end workflow and automation solution for processing eDiscovery requests. The system will eliminate redundant manual work, reduce data entry errors, efficiently track cases, generate status reports, and share data with agencies.			Planned Start: 07/01/23 Planned End: 02/25/24 05/30/24 07/31/24 Budget: \$ 375,000 Expended: \$ 435,224 Encumbered: \$ 0 Balance: \$ (60,224) Source: General Fund, OCIT	Closing - Production configuration prepared for go-live; application is now in production. Close project. In next period, to prepare production site for go-live; launch product. Risk Mitigation Budget overrun to be covered by OCIT.	100%
OCIT	Multi	Endpoint Security Transition - In 2023, OCIT identified that the existing endpoint protection software was not capable of detecting and remediating certain types of incursions. Consequently, OCIT sought a more technically advanced endpoint security solution. This project seeks to the existing endpoint protection software with a new, more capable solution.			Planned Start: 01/09/24 Planned End: 06/30/24 08/09/24 Budget: \$ 1,058,857 Expended: \$ 426,872 Encumbered: \$ 0 Balance: \$ 631,985 Source: OCIT	Execution – Completed rollout to Shared Services and Managed Services agencies. In the next period, to finalize rollout to Auditor-Controller. Risk Mitigation Project End Date revised from 8/30/24 to 10/31/2024 to account for Auditor-Controller rollout.	94%

List is ordered by Managing Dept., then by Business Owner.

On track; within 10% of budget/schedule



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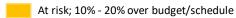
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Managing Dept.	Business Owner	Project Description	Budget	Schedule	Schedule / Budget	Project Phase - Status as of End of Reporting Period Key Highlights Since End of Reporting Period	% Completed
OCIT	Multi	Identity and Badge Data Integration - Integration of the Lenel badge system with the OC HARP system to enhance automation of badge provisioning and physical access control capabilities.			Planned Start: 04/26/22 Pending Planned End: 06/01/23 10/23/24 Pending Budget: \$ 150,000 Expended: \$ 18,713 Encumbered: \$ 0 Balance: \$ 131,287 Source: General Fund		0%
OCIT	Multi	Legacy Application Restoration - The County maintains multiple "legacy" computer applications. These are applications that are maintained at individual agencies or the OC Data Center and are running on older equipment or operating systems that cannot be updated. These applications are particularly vulnerable to disruption via cyberattack. The project goal is to implement software for the recovery of the legacy applications in the event of a ransomware attack or other security breach.			Budget: \$ 875,000 Expended: \$ 486,919	Risk Mitigation	100%

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On track; within 10% of budget/schedule



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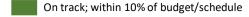
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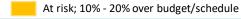




Managing Dept.	Business Owner	Project Description	Budget	Schedule / Budget	Project Phase - Status as of End of Reporting Period Key Highlights Since End of Reporting Period	% Completed
OCIT	Multi	Zscaler Private Access (ZPA) VPN Standardization — This project seeks to consolidate the multiple VPN solutions within the County into a single platform: Zscaler Private Access (ZPA). ZPA is a nextgeneration VPN alternative that gives users direct connectivity to County applications in contrast to traditional VPNs that provide access at the network level. This significantly enhances security as it minimizes the attack surface and introduces the concept of zero-trust network access.		Planned Start: 02/01/23 Planned End: 09/30/23 11/24/23 12/31/24 01/15/25 Budget: \$ 890,000 \$ 1,230,000 Expended: \$ 961,539 Encumbered: \$ 0 Balance: \$ 268,461 Source: General Fund, OCIT	Executing — Initiated rollout to OCIT, Health Care Agency, OC Public Works. In next period, to complete rollout for OCIT, Health Care Agency, OC Public Works, OC Waste & Recycling, and Child Support Services. Risk Mitigation Adjustments have been made to expended budget to reflect decision by one agency to purchase licensing directly from vendor rather than through OCIT. Funds remain available in the project budget. Project end date moved out due to expanded scope.	75%
OCIT	PROB	Juvenile Hall Switch Migration - The purpose of this project is to provide an assessment of the current switch Network design and configuration at the Orange County Probation Department Juvenile Hall, upgrading the video network systems, and migrating the existing services to ongoing managed support.		Planned Start: 09/09/24 Planned End: 01/17/25 Budget: \$ 1,536,570 Expended: \$ 1,309,807 Encumbered \$ 64,696 Balance: \$ 162,067 Source: Probation		16%

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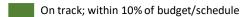
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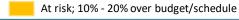




Managing Dept.	Business Owner	Project Description	Budget	Schedule	Schedule / Budget	Project Phase - Status as of End of Reporting Period Key Highlights Since End of Reporting Period	% Completed
OCIT	OCWR	OC Recycling and Disposal Reporting System (RDS) - Orange County Waste & Recycling (OCWR) needs a new Disposal Reporting System (DRS) to which changes can be made promptly and that meets State and local compliance requirements. OCWR is replacing its legacy DRS with a new web-based reporting tool, the Orange County Recycling and Disposal Reporting System (OC-RDRS). The new tool will meet the new State regulations and enhance the user experience by adding customized queries and reports.			Planned Start: 09/11/23 Planned End: 10/20/24 11/30/24 Budget: \$ 250,000 Expended: \$ 255,109 Encumbered \$ 0 Balance: \$ 27,891 Source: OCWR	Execution – Completed development of nine reports and four application functions. In next period, to kickoff sprints 3, 4, and 5 (continued function and report development). Risk Mitigation N/A	95%
OCIT	SSA	Employee Information Tracking System (EITS) - Development of an Employee Information Tracking System (EITS) that expedites and automates tracking a position control number, employee provisioning, equipment distribution, and system/application access and that enables ease of approvals, email alert notifications and ability to report on any field.			Planned Start: 08/01/23 Planned End: 12/20/24 02/26/25 Budget: \$ 585,816 Expended: \$ 523,397 Encumbered: \$ 0 Balance: \$ 62,419 Source: SSA	Executing – Finalized business requirements for Provisioning; continued application development; continued report builds. In next period, to finalize complete application development; begin end-to-end user acceptance testing. Risk Mitigation End Date extended due to scope complexity. Budget at risk due to need for additional developer hours.	78%

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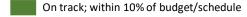
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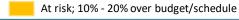




Managing Dept.	Business Owner	Project Description	Budget	Schedule / Budget	Project Phase - Status as of End of Reporting Period Key Highlights Since End of Reporting Period	% Completed
OCIT	SSA	Mandated Reporter App - Replace the current Mandated Reporter Application (MRA) with a new app. The replacement will allow mandated reporters to access an external-facing site to open a report for child and/or elder/dependent adult abuse. Through a series of questions, the mandated reporter will be able to open a non-emergent report or be prompted to call the hotline for emergency cases.		Planned Start: 07/15/22 Planned End: 03/19/24 07/31/24 10/31/24 12/31/24 Budget: \$ 283,000 Expended: \$ 242,675 Encumbered: \$ 0 Balance: \$ 40,325 Source: SSA	Execution - Continued application development. In next period, to conduct user acceptance testing and end-user training Risk Mitigation N/A	76%
OCIT	SSA	Qualtrics Call Center Analytics - Social Services Agency Assistance Programs (SSA AP) seeks to implement Qualtrics XM Discover for its call centers. Qualtrics provides new capabilities to convert voice call recordings into text files and analytics. These can then be used to build call center metrics that improve management's decision-making process. The analytics produced will enable SSA to identify staff training needs and significantly improve the caller experience and satisfaction.		Planned Start: 08/01/23 Planned End: 04/30/24 07/05/24 Budget: \$ 472,000 Expended: \$ 470,859 Encumbered: \$ 0 Balance: \$ 1,141 Source: SSA	Closing – Social Services Agency (SSA) has completed POC but elected not to renew contract with vendor due to redaction compliance issues. Risk Mitigation N/A	100%

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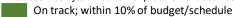




Managing Dept.	Business Owner	Project Description	Budget	Schedule	Schedule / Budget		Project Phase - Status as of End of Reporting Period Key Highlights Since End of Reporting Period	% Completed
OCIT	ттс	Web Property Tax Inquiry & Payment System - As the public-facing portal for Orange County residents the tax.ocgov.com site receives over 1 million hits per month and is the primary method for collecting over \$9 billion in tax revenues per year. However, the site is built on outdated technology from the late 1990's that is no longer supported by Microsoft and is prone to web scraping, process failures, and database overloads. This project will modernize the site and bring more secure features to the citizens of Orange County			Planned End: 05/36 07/36 09/13 Budget: \$ 200,6 Expended: \$ 187,2 Encumbered: \$	•	Closing – New site went live on 9/13/24. Risk Mitigation - N/A	100%

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At risk; 10% - 20% over budget/schedule



^{*} Project has been rebaselined.

Attachment A

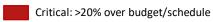


Managing Dept.	Business Owner	Project Description	Budget	Schedule	Schedule / Budget	Project Phase - Status as of End of Reporting Period Key Highlights Since End of Reporting Period	% Completed
OCSD	OCSD	Automated Jail System - Sheriff AJS is a highly customized Jail System that was originally developed in 1990 on a mainframe utilizing Assembly/COBOL programming languages. The new IJMS will be built on current programming languages on commercially available and supported platforms. It will include all of the functional and technical requirements compiled by the IJMS team including Intake/Booking, Inmate Property Management, Inmate Classification, Sentence Calculation, Housing, Visits, Mail, Transitional Services, Inmate Accounts, Incidents, Investigations, Transportation, Movement, Count/Census, Medical/Mental Health, Release, Searches, Grievances, Unit Management, Scheduling, Reporting, Callouts, Food Services, and Inmate Requests.			Planned Start: 10/31/17 12/14/21 Planned End: 12/16/22 12/31/24 06/30/25 Budget: \$ 2,792,000 Expended: \$ 633,750 Encumbered: \$ 0 Balance: \$ 2,158,750 Source: General Fund	Execution – Enhanced Prebooking and CalAIM; developed Inmate Property module; implemented PREA; continued Client Module Reviews and feedback loop; implemented Inmate Tracking interface. In next period, to continue core development; expand requirements gathering; conduct client review and testing; work on interface and training development; integrate inmate tracking solution; implement jail papers. Risk Mitigation Establish regular sync meetings with SOMA to improve communication, address issues promptly, and provide a clear project roadmap. Implement a parallel tracking system to monitor legacy system issues and assign dedicated personnel to minimize resource diversion. Collaborate with SOMA's interim leadership to align project priorities post-acquisition and ensure a smooth transition in decision-making. Utilize a phased approach to integrate new process improvement methodologies within the platform, minimizing risk of failure. Allocate additional resources for the project during critical periods to compensate for staff turnover and system outages. End Date extended to 6/30/25.	65%

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On track; within 10% of budget/schedule

At risk; 10% - 20% over budget/schedule



^{*} Project has been rebaselined.

^{**} Project will be baselined after initiation or procurement activities are complete.

Project Landing Map





The map below depicts when project benefits have been or are expected to be realized.

Q1 FY22-23	Q2 FY22-23	Q3 FY22-23	Q4 FY22-23
Jul – Sep 2022	Oct – Dec 2022	Jan – Mar 2023	Apr – Jun 2023
✓ OC TIME Implementation ✓ Property Tax System	 ✓ Privileged Access Management (PAM) Implementation 		✓ CalSAWS Migration Technical Support
Q1 FY23-24	Q2 FY23-24	Q3 FY23-24	Q4 FY23-24
Jul – Sep 2023	Oct – Dec 2023	Jan – Mar 2024	Apr – Jun 2024
✓ County Reimbursement System ✓ Integrated Talent Management System (ITMS) Performance Module	 ✓ Electronic Health Records (EHR) Interoperability ✓ HCA Business Intelligence & Analytics ✓ Shared Services Server Platform 	✓ IntraOC Site Design Refresh	 ✓ CHORUS ✓ County Enterprise External Firewall Cluster Enhancements ✓ HRS Onboarding ✓ JWA Baggage Handling System
Q1 FY24-25	Q2 FY24-25	Q3 FY24-25	Q4 FY24-25
Jul – Sep 2024	Oct – Dec 2024	Jan – Mar 2025	Apr – Jun 2025
 eDiscovery Tool Legacy Application Restoration Qualtrics Call Center Analytics Web Property Tax Inquiry & Payment System 	 Access Control Conversion County Enterprise Network Redundancy Endpoint Security Transition iConnect Lab Portal Mandated Reporter App Multi-Drug Resistant Organism (MDRO) Data Exchange OC Agenda OC Recycling and Disposal System (RDS) 	 Employee Information Tracking System Juvenile Hall Switch Migration Zscaler Private Access VPN 	Automated Jail System (AJS) Identity and Badge Data Integration

- On schedule
- 10% 20% over schedule
- >20% over schedule
- ✓ Project has been completed