

County IT Projects

Quarterly Progress Report

4th Quarter, FY18-19

April 1 – June 30, 2019



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 22, an increase from 21 projects reported in the previous quarter (due to two projects completed in that quarter and three new projects this quarter). The three new projects are: the County Data Integration Project for Care Coordination, Bed Reservation System for the Shelter System, and Finance Tracker for pilot departments (OCPW and OCIT). The total budget increases to \$38,861,383 from \$36,187,031. Of the projects are currently active (being worked on), the Property Tax System Re-platform project is experiencing critical schedule delay that in turn impacts its budget. In addition, the go-live date of the new content management system for the Board of Supervisors' websites has been extended in order to complete all of the requirements.



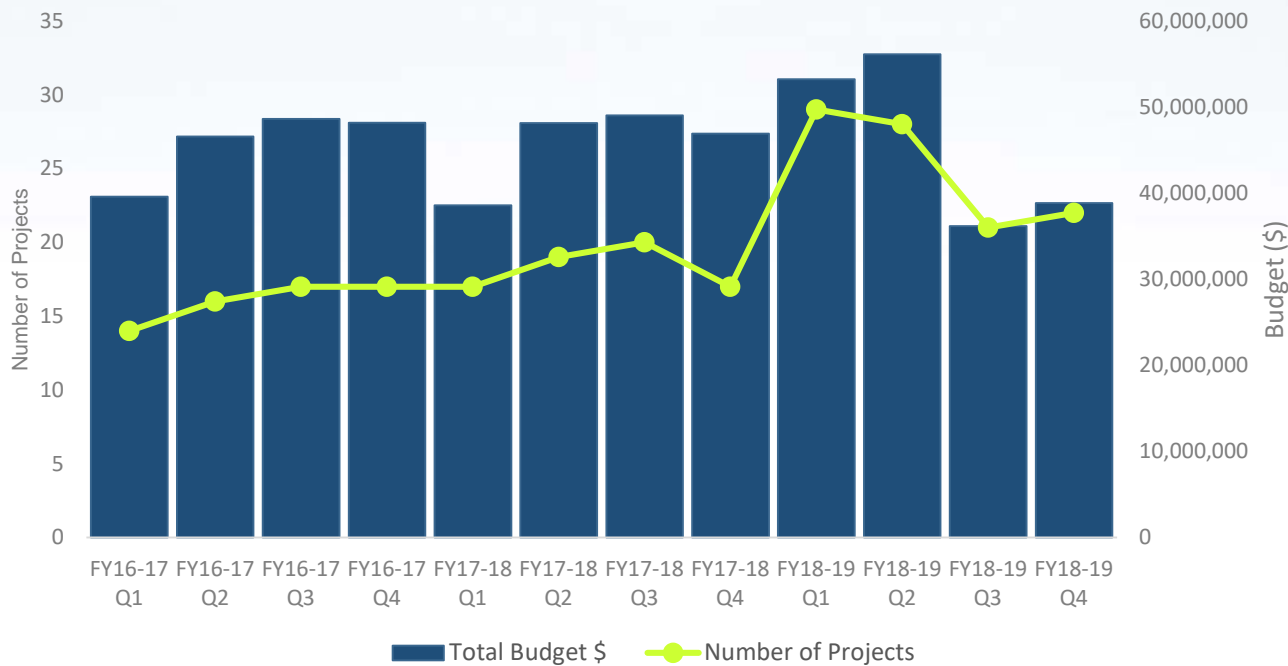
Key Accomplishments

As part of **cybersecurity remediation project**, OCIT implemented vulnerability scanning capabilities and expanded security incident and event monitoring capabilities to allow the County to respond to audit findings on adequate log monitoring and to enhance the County's cybersecurity preparedness.

OCIT completed the **dark fiber evaluation project** that investigated the feasibility and potential cost savings associated with installing a dark fiber network between the downtown area and the Orange County Data Center (OCDC) as well as between eight potential sites with high bandwidth requirements and the OCDC. The project team gathered, reviewed, analyzed the affordability, reliability and timeline of several options and recommended that dark fiber for the connectivity mentioned above is not a cost effective solution for the County at this time.

IT Portfolio Size and Budget

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

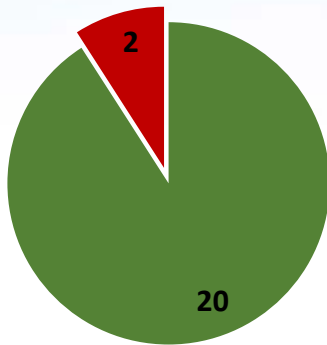


- The number of projects increases to 22 this quarter from 21 in last quarter.
- Project data from the last 12 quarters show an average of 19.75 and a median of 18 projects.
- This quarter's total portfolio budget increased by \$2,674,352 (7%).

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

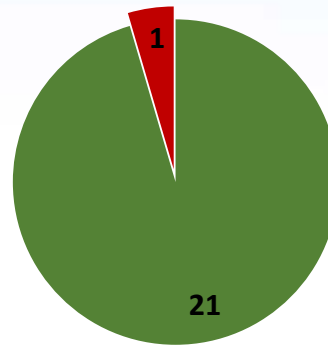
The charts below depict the County's IT project portfolio schedule and budget performance of the active and completed projects during the reporting period.

Schedule



- On Schedule
- At risk; 10% - 20% over schedule
- Critical; >20% over schedule

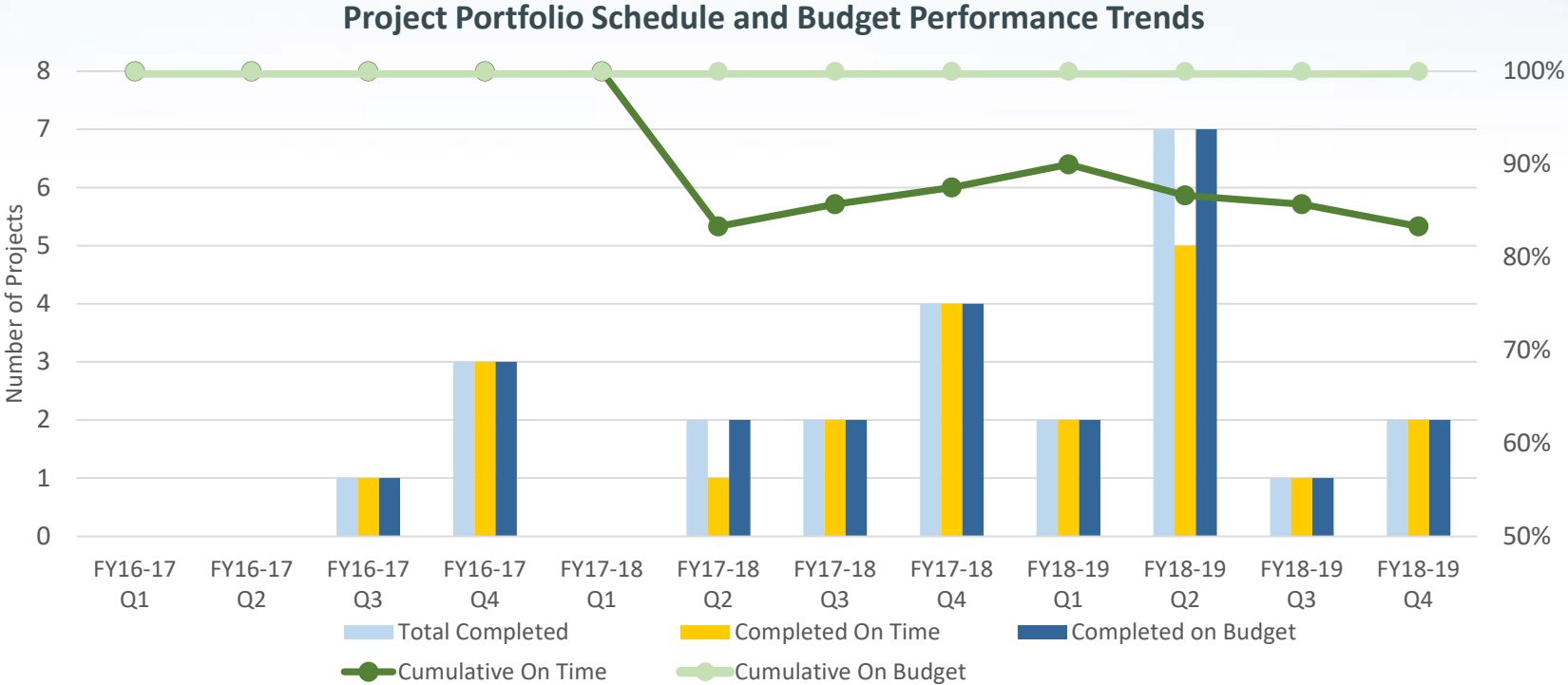
Budget



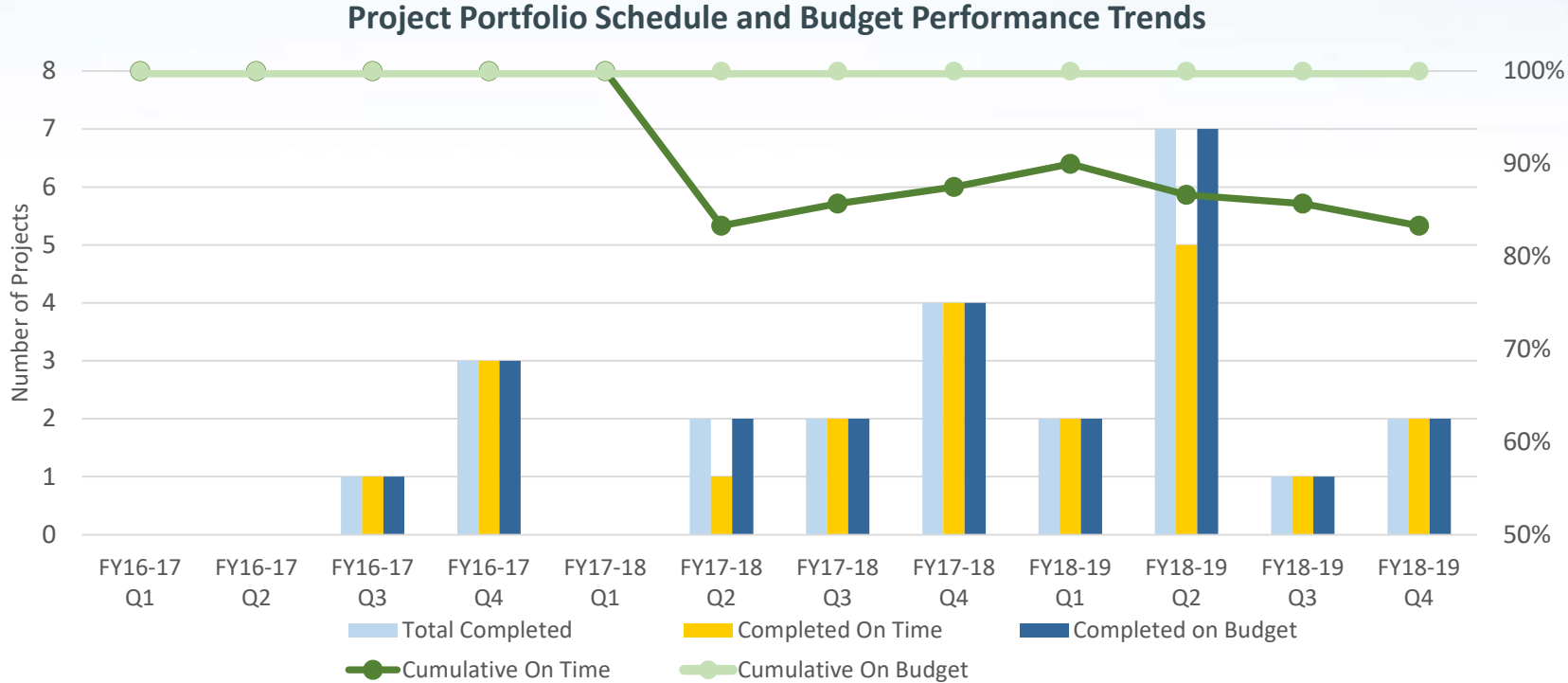
- On Budget
- At risk; 10% - 20% over budget
- Critical; >20% over budget

As of this reporting period, two projects are more than 20% over schedule, and one project is more than 20% over budget.

The chart below depicts the County’s IT project schedule and budget performance trends for the projects that were completed over the last 12 quarters. The bars reflect the total number of projects completed in each quarter, the number completed on schedule, and the number completed on budget. The lines reflect the percentage of projects on schedule and on budget for projects completed over four consecutive quarters.

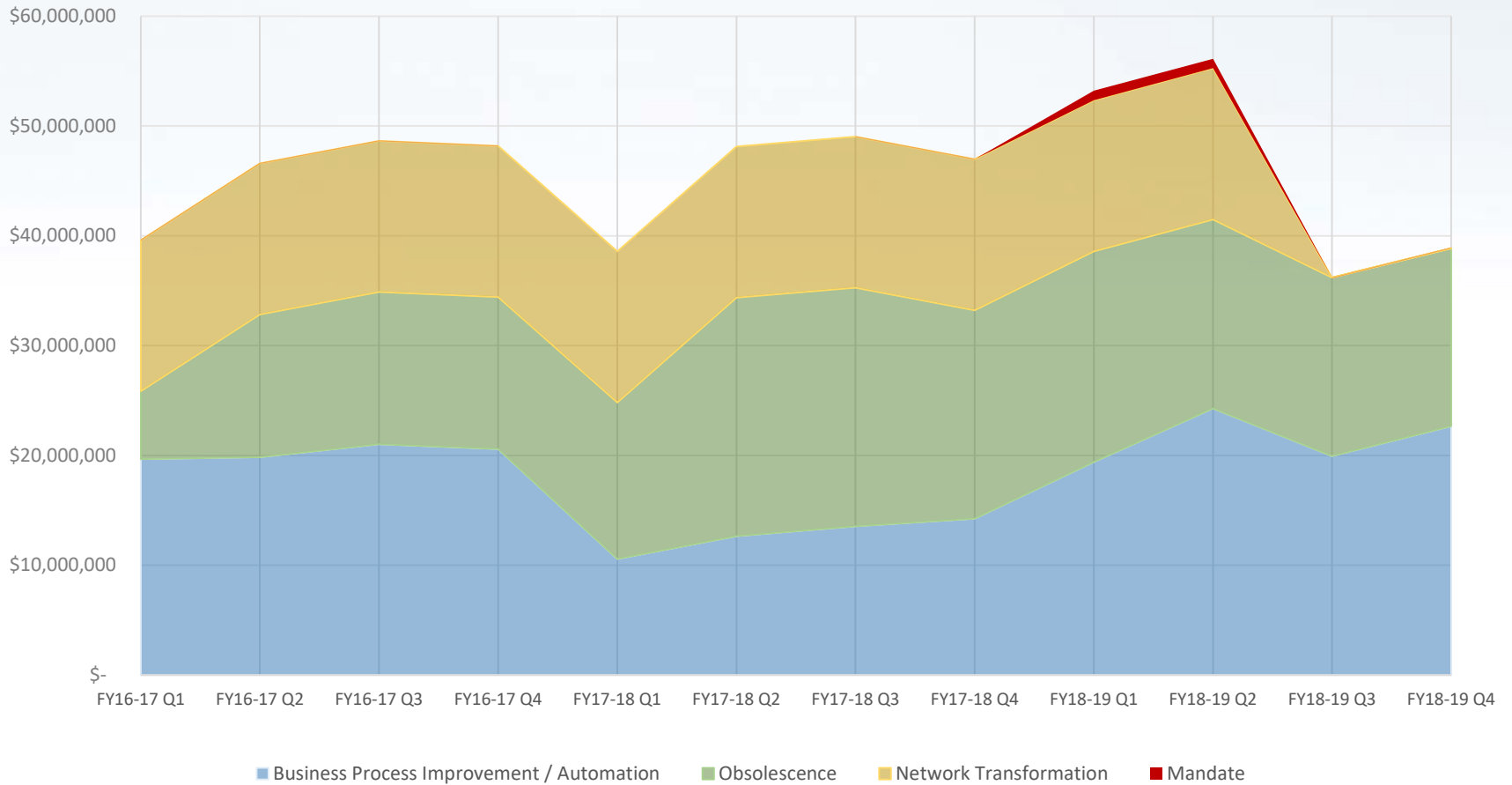


The chart below depicts the County’s IT project schedule and budget performance trends for the projects that were completed over the last 12 quarters. The bars reflect the total number of projects completed in each quarter, the number completed on schedule, and the number completed on budget. The lines reflect the percentage of projects on schedule and on budget for projects completed over four consecutive quarters.



The projects aimed to improve or automate business processes account for the larger share (58%) of the County's IT budget this quarter. The remaining projects are for replacing end-of-life or obsolete systems and account for 42% of the budget.

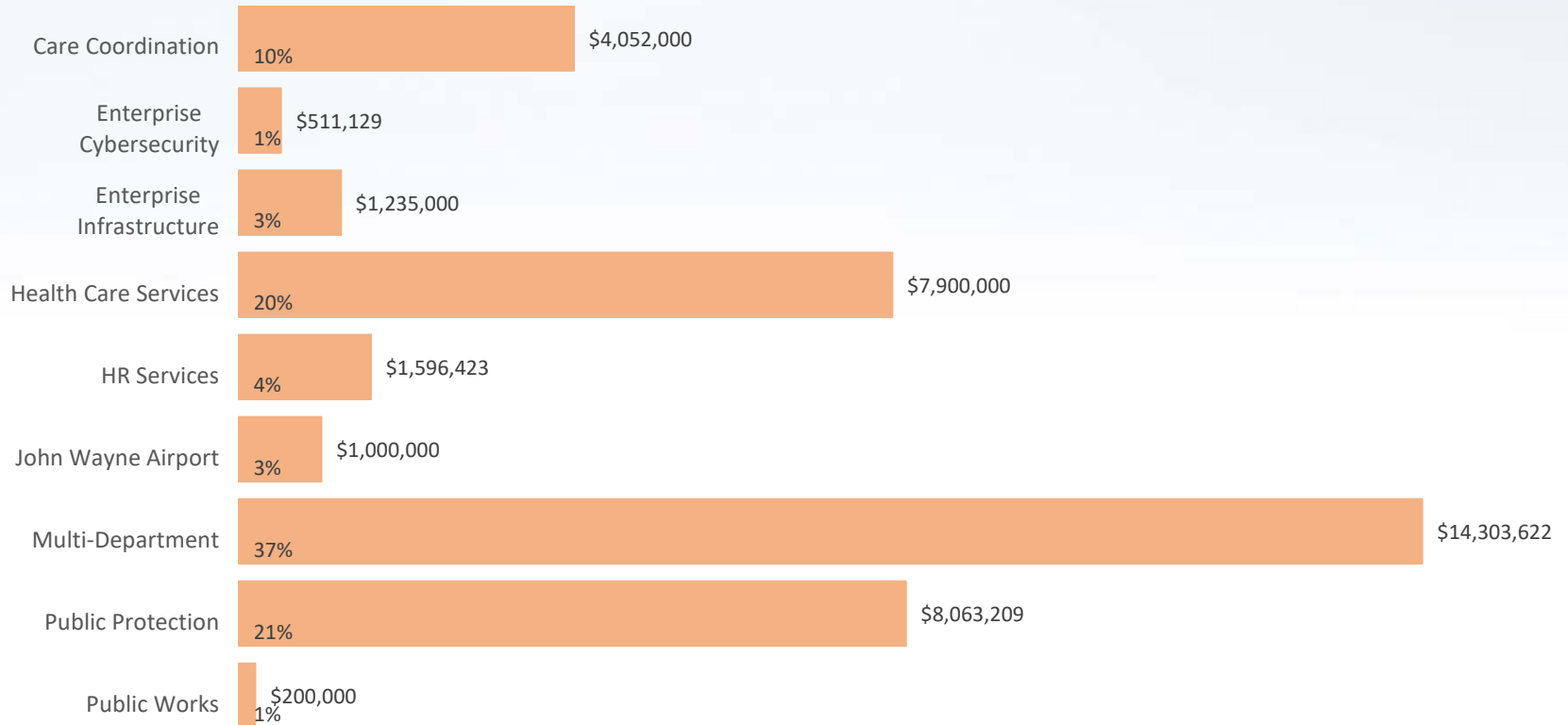
Investment by Business Justification



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

Investment by Service Area

Projects that cross multiple departments account for the largest share of the County's IT project investments. Health Care Services and Public Protection each also has a large share of the IT project budget.



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

IT Project Dashboard (1 of 11)



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	% Complete
A-C	Multi	Property Tax System - Transform the County's Property Tax System from a legacy mainframe system to an open-architecture platform.			Planned Start: 10/01/17 Planned End: 08/31/19 08/31/20 Budget: \$ 7,480,843 Expended: \$ 4,617,218 Encumbered: \$ 2,322,399 Balance: \$ 541,226 Source: General Fund	<p>Execution - Completed four phases (out of nine). Phases 5 - 9 are in various stages of completion.</p> <p><u>Issue:</u> The schedule is in a "Red" status. The transformation vendor has requested and the County's steering committee concurred with a "re-baselining" of the project's schedule. The County's steering committee recommends a revised production cutover date of August 31, 2020. This revision is greater than 20% over the scheduled plan. Since the vendor will not make the originally planned date, the schedule will remain in a "Red" status for the remainder of the project. Amendment two to contract MA-003-18010160 with Perspecta State and Local, Inc., the transformation vendor, is planned to extend the term of the contract and revise the production cutover date. A contract amendment with ARK Technologies (MA-003-18010262) for technical support will also be sought.</p> <p><u>Issue:</u> The budget has been moved to a "Red" status. The transformation vendor underestimated the complexity of the legacy system's code and the rules that are built into that system. Further, the vendor's automated tools did not work as well as planned within the County's environment which led to a heavier reliance upon manual development. The same vendor had to revise its project schedule to meet the required manual effort. Finally, the vendor had to seek additional County funding in order to continue forward with the transformation effort. The project's revised schedule impacts the project's budget. A total additional funding of \$2,874,491 is required. The project will bring the required contract amendments and additional budget funding request to the Board at its meeting on August 27, 2019.</p> <p>Post-quarter update: The Board approved \$2.8M in additional funding during 8/27/19 BOS meeting.</p> <p>Other considerations:</p> <ul style="list-style-type: none"> - The County is further along on this effort than on any previous attempts at re-engineering the property tax system. - Perspecta continues to provide strong developmental knowledge and guidance with the IDEAL code transformation process. - Perspecta continues to deliver "high" quality code. - ARK Technologies' legacy system knowledge and contributions are critical to the success of this project. - Even with the additional funds, Perspecta's funding remains below that of any of its competitors from the RFP process. 	65%

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

* Project has been rebaselined.

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



On track; within 10% of budget/schedule



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



Critical: >20% over budget/schedule

IT Project Dashboard (2 of 11)

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
DA	DA	Record Management System - Implement a fully integrated public safety information system that has mobile or wireless capabilities to replace the manual tracking of case/unit information within the District Attorney Bureau of Investigation (BOI).	**	**	Planned Start: 07/01/18 Planned End: 02/28/20 Budget: \$ 513,332 Expended: \$ 0 Encumbered: \$ 0 Balance: \$ 513,332 Source: General Fund	Initiation - Contract negotiations are in progress. Project will be baselined upon contract award.	16%
HCA	HCA	Business Intelligence & Analytics - Implement a system to allow for agency-wide data mining, analytics, online analytical processing, monitoring, visibility and presentation of key historical and predictive modeling based data. System benefits include timely availability of key information, decision support systems, increased development and standardization of best practices, performance and outcomes measurement and improvements, more efficient and meaningful collaboration, production of reliable and accurate key metrics, and increased overall data accuracy, security and governance.			Planned Start: 07/01/18 Planned End: 12/31/21 Budget: \$ 3,900,000 Expended: \$ 0 Encumbered: \$ 0 Balance: \$ 3,900,000 Source: MHSA	Initiation - Continued discussions and consensus of clinical metrics, project milestones, success factors, visualization methods and options, etc. Completed pilot project to architect and implement a cloud-based Oracle Enterprise Data Warehouse system. Worked on developing the scope of work for Request for Proposal (RFP). Next steps include: identifying various existing sources of clinical/Protected Health Information (PHI) data and the applications that utilize this data that could be good candidates for inclusion in the enterprise data warehouse; completing the scope of work and releasing the RFP. Risk Mitigation: Consider possible impact of Countywide data sharing initiatives. Continue collaboration and communication with all stakeholders and gather requirements as necessary to allow integration of enterprise data warehouse to allow sharing of data.	8%

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

* Project has been rebaselined.

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



On track; within 10% of budget/schedule



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



Critical: >20% over budget/schedule

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
HCA	HCA	<p>Electronic Health Records (EHR) Interoperability - Implement a solution for EHR with behavioral health service contract providers and other partners to provide better integration of services and sharing of key clinical and financial data, resulting in better care coordination, elimination of duplicate data entry and maintenance, easier collaborations and transitions of care amongst the provider community, and access to a more comprehensive clinical dataset for shared clients.</p>			Planned Start: 07/01/18 Planned End: 06/30/20 Budget: \$ 3,750,000 Expended: \$ 0 Encumbered: \$ 0 Balance: \$ 3,750,000 Source: MHSA	<p>Initiation - Continued progress on defining data exchange requirements with Behavioral Health contract providers and with vendor for integration into the EHR. Continued efforts to work with OCPRHIO (One California Partnership Regional Health Information Organization) on the design and architecture of the data clearinghouse concept and overall feasibility of using this platform. Continued research on interoperability best practices and applicability based models. Next steps: Hold discussions and consensus of project milestones and tasks, success factors, metrics to be tracked, etc.; continue defining other aspects of interoperability with business partners and future integration into the EHR; consider connectivity options using APIs (Application Programming Interfaces) and FHIR (Fast Healthcare Interoperability Resources) standards; and decide whether OCPRHIO is the best solution, or to begin work on custom self-owned solution for data sharing and connectivity.</p> <p><u>Risk Mitigation:</u> - Consider potential impact of other County-driven data sharing initiatives and related connectivity and integration requirements. Continue collaboration and communication with all stakeholders.</p> <p>- OCPRHIO's long-term viability is being researched as part of due diligence and risk management. Alternatives to OCPRHIO are being considered if this becomes necessary.</p>	25%
HCA	HCA	<p>ePrescription for Controlled Substances - Implement system to enable physicians to electronically prescribe controlled substances including opioids through the electronic health record system. This replaces the use of paper prescriptions, decreases risk of fraud and abuses of controlled substances, enables interaction checks and medication alerts, increases accuracy, efficiency, and promotes overall safety and quality of care.</p>	**	**	Planned Start: 07/01/18 Planned End: TBD Budget: \$ 250,000 Expended: \$ 0 Encumbered: \$ 0 Balance: \$ 250,000 Source: MHSA	<p>Initiation - Held kick-off meeting with vendor and business stakeholders. Began design and build of the workflows. This project has a dependency on the Cerner Millennium system upgrade, which is anticipated to complete in September. The revised schedule of the ePrescription project will be determined after the completion of the Cerner Millennium upgrade.</p>	15%

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

* Project has been rebaselined.

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



On track; within 10% of budget/schedule



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



Critical: >20% over budget/schedule

IT Project Dashboard (4 of 11)



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
HRS/OCIT	HRS	Integrated Talent Management System - Implement a pilot of an integrated system for performance management and learning management.			Planned Start: 07/01/15 Planned End: 06/30/21 Budget: \$ 1,596,423 Expended: \$ 282,891 Encumbered: \$ 220,000 Balance: \$ 1,093,532 Source: General Fund/Dept.	Execution - The County's integrated talent management system has been branded Eureka. For the Learning Management Module: Completed Train the Trainer training, User Acceptance Test, and Go Live for departments included in Phase 1 (Auditor Controller, Board of Supervisors, Clerk of the Board, Clerk Recorder, County Executive Office, Internal Audit, John Wayne Airport, Office of Campaign Finance and Ethics Commission, OC Community Resources, OC Waste and Recycling, Office of Independent Review, and Registrar of Voters). Next steps include completing the virtual instructor-led training connections (WebEx) and Go Live for departments included in Phase 2 (up to five more departments). Issue: Continue to have challenges with the integration of WebEx into Eureka due to WebEx upgrade. This has delayed the rollout of the virtual Instructor-led training feature. As a resolution provided by Cornerstone, the County is using a previous version of the WebEx product in order to reinstall. Expect to have resolved by the end of July.	50%
JWA	JWA	Network Redesign for John Wayne Airport - Implement a new network infrastructure, using the latest industry standard and technology, to address increasing network traffic volume, eliminate network congestion issues, and provide system redundancy.			Planned Start: 01/07/19 Planned End: 06/30/20 Budget: \$ 1,000,000 Expended: \$ 96,725 Encumbered: \$ 245,000 Balance: \$ 658,275 Source: JWA	Execution - Obtained Board approval of contract for network design services. Vendor delivered initial network assessment report and recommendations. The review of the network design is target for July, and the final design is target for end of August. JWA and OCIT are having weekly meetings to discuss the progress of the project.	22%

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

* Project has been rebaselined.

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



On track; within 10% of budget/schedule



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



Critical: >20% over budget/schedule

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	CEO	<p>County Data Integration Project for Care Coordination - Develop a technology strategy and solution that provides coordinated data sharing across County departments to assist those experiencing, or at risk of, homelessness with improved care coordination.</p>	**	**	<p>Planned Start: 04/01/19 Planned End: 02/28/21</p> <p>Budget: \$ 3,800,000 Expended: \$ 0 Encumbered: \$ 0 Balance: \$ 3,800,000 Source: General Fund</p>	<p>Initiation - During this reporting period:</p> <ul style="list-style-type: none"> - Completed a survey of similar government initiatives to consider options. - CEO/OCIT met with County Departments to identify strategies and required business capabilities. - Board directed CEO to begin contract negotiations with a consultant to provide a technology roadmap and scope of work for a solution. - Board approved the AB 210 MOU that allows Departments to share information on those experiencing homelessness. <p>Planned for next reporting period:</p> <ul style="list-style-type: none"> - Staff will present recommendations to the Board to contract with a consultant to provide a technology roadmap and scope of work for a solution. - Consultant will work closely with Departments to identify business and technical requirements, document use cases and develop sourcing strategies. <p><u>Issues/Risks and Mitigation:</u></p> <ul style="list-style-type: none"> - This is an urgent priority for the County, so the selected consultant will propose a work plan that fast tracks completion of necessary deliverables. CEO/OCIT staff will provide technical support and expertise, where necessary, to CEO/Office of Care Coordination and CEO/Chief Operating Office in assisting the consultant in coordinating meetings and project activities requiring County staff involvement. - Costs of a solution will not be known until a design and approach for implementation is identified. 	1%

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

* Project has been rebaselined.

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



On track; within 10% of budget/schedule



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




Critical: >20% over budget/schedule


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	CEO	<p>Bed Reservation System for the Shelter System - Implement a strategy and solution within the shelter system to electronically track bed inventory, and provide outreach teams and referral partners a mechanism to view available shelter beds and place reservations from the field. Additionally, the solution should enable new data reporting about the shelter system within the System of Care to help support planning and decision-making activities. This solution will consist of collaboration software and a reporting system. The solution will also integrate to existing County systems that provide geographic and demographic information, and should be capable in the future of integrating with the larger County System of Care Data Integration System when it becomes available. The project scope includes an initial pilot with one shelter.</p>			<p>Planned Start: 05/01/19 Planned End: 06/30/20</p> <p>Budget: \$ 252,000 Expended: \$ 0 Encumbered: \$ 0 Balance: \$ 252,000 Source: General Fund</p>	<p>Initiation - Completed initial assessment of shelter and referral partners operations related to shelter bed placements. Developed business case to implement a solution and received CEO approval. Began business and technical requirements gathering for the collaboration software. Began the development of the scope of work. Next steps include receiving vendor proposal for software, integration and implementation services; completing business and technical requirements gathering for the collaboration software; beginning implementation of the collaboration software; and initiating business requirements gathering for the reporting system.</p> <p><u>Issues & Risks:</u></p> <ul style="list-style-type: none"> - Adoption by shelters and referral partners of new processes and software for managing bed inventory, reservations and placement will be key to project success. - Collaboration software is relatively new and is not in use at other County shelters. - Integration of the solution to other vendor data sources is still a work in progress. <p><u>Risk Mitigation Plan:</u></p> <ul style="list-style-type: none"> - Limit scope of initial pilot to a single shelter and focus on processes most relevant to improving bed management and referral. - Partner effectively with shelters and referral organizations to ensure their support. - Ensure that training plans are effective. - Use effective means for promoting adoption of new processes and tools. 	5%


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

* Project has been rebaselined.

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

 On track; within 10% of budget/schedule

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

 Critical: >20% over budget/schedule

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	<p>Computerized Maintenance Management System (CMMS) - Replace the existing legacy systems with a centralized repository for all County's real estate assets, starting with OCSO, OCPW and CEO/Real Estate.</p>			<p>Planned Start: 12/06/17 Planned End: 05/31/20</p> <p>Budget: \$ 5,265,779 Expended: \$ 3,487,098 Encumbered: \$ 681,094 Balance: \$ 1,097,587 Source: General Fund</p>	<p>Execution - Deployed to production environment two (out of five) modules - Asset and Real Estate Management and Assessment & Needs Analysis Estate Management. The County is finalizing user acceptance test on system interfaces before opening these two modules for use by all in-scope departments.</p> <p>Started user acceptance test of six data import spreadsheets delivered by the vendor (total ten spreadsheets).</p> <p>Continue the implementation of the Operations & Maintenance module, which includes CAPS+ interface development with the Auditor-Controller IT team and the vendor. Will begin to propagate O&M data in order to enable visualization for process improvement initiative.</p> <p>The County and the vendor are reviewing the overall project plan for remaining work.</p> <p><u>Issues/Risks and Mitigation:</u></p> <ul style="list-style-type: none"> - The County and the vendor did not anticipate the complexity of the data that needs to be imported into the new system. As a result, additional time and effort has been expended on ensuring data integrity prior to data import. - The County team is diligently working to demand quality deliverables from the vendor in order to be able to leverage this solution to future departments that are not currently in scope. The County will continue to work closely with vendor to increase quality and to revisit overall project timeline. 	35%

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

* Project has been rebaselined.

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



On track; within 10% of budget/schedule



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



Critical: >20% over budget/schedule

IT Project Dashboard (8 of 11)



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	Email Cryptography - Research and implement an email encryption solution at pilot departments to address the compliance requirements for the handling of transmission of privacy data and other types of sensitive information.	*		Planned Start: 07/01/18 Planned End: 09/30/19 Budget: \$ 210,000 Expended: \$ 35,212 Encumbered: \$ 0 Balance: \$ 174,788 Source: General Fund	Execution - Completed the pilot with OCIT and CSS. Initiated pilot at HRS and County Counsel (CoCo). After completion of the pilots, the project team will roll out the software to all users in OCIT, CSS, HRS, and CoCo. As part of budget review, it was determined that the project does not need the full approved budget of \$250,000. The budget was reduced to \$210,000, which should be adequate to complete the project.	50%
OCIT	Multi	Finance Tracker - To implement an end-to-end, comprehensive financial and budgeting system for the pilot departments (OCPW and OCIT). The project is expected to complete in November 2019 to be ready for the County's next budgeting cycle.			Planned Start: 02/01/19 Planned End: 11/30/19 Budget: \$ 282,000 Expended: \$ 81,464 Encumbered: \$ 0 Balance: \$ 200,536 Source: OCPW	Execution - The project is currently in Iteration (development cycle) 3 of 6 and is on track to complete within schedule and budget. The first demo was conducted for the pilot departments (OCPW and OCIT). Feedback from the demo is being incorporated for the next demo in August.	40%
OCIT	Multi	Identity Governance & Administration - Implement enterprise user provisioning capabilities and enhance synchronization with department directories.			Planned Start: 07/01/18 Planned End: 05/14/21 Budget: \$ 800,000 Expended: \$ 14,601 Encumbered: \$ 0 Balance: \$ 785,399 Source: General Fund	Initiation - Obtained Board approval of contract award on May 7, 2019. Developing project plan and coordinating kickoff and project initiation activities. Began setting up development & test environment. Next steps include holding kickoff meeting and conducting discovery activities.	10%

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

* Project has been rebaselined.

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



On track; within 10% of budget/schedule



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



Critical: >20% over budget/schedule

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	ServiceNow for Shared Services - Implement a single ticketing system for all Shared Services departments; transition Shared Services departments to a unified call center model; deploy automated discovery tool to capture infrastructure components; and modify ServiceNow portal and service catalog for ease-of-use Countywide.			Planned Start: 07/01/17 Planned End: 06/30/20 Budget: \$ 490,000 Expended: \$ 185,836 Encumbered: \$ 0 Balance: \$ 304,164 Source: General Fund	Execution - Completed production deployment of ServiceNow Discovery module. - OCPW: Completed Go-Live for both ServiceNow ticketing system and Central IT Service Desk. Next step is to complete agency-based ticket routing. - CSS: Completed Go-Live for ServiceNow ticketing system and agency-based ticket routing. Next step is to complete CSS pre-requisites, including background checks, for transition to Central IT Service Desk and portal go-live. The team continues working on confirming that all background check requirements have been met or a date by which the review process will be completed. - Probation: The department has indicated it is unable to move forward with deployment of ServiceNow and Central IT Service Desk due to financial considerations. OCIT is working on proposal to address Probation's budgetary constraints. - Other activities that are in progress include enabling agency-requested ServiceNow dashboards and reporting and modifying ServiceNow portal and service catalog to meet the needs of Shared and non-Shared Services departments.	50%
OCIT	Multi	Web Content Management System - Phase I - Replace the existing platform and redesign the Board sites to enhance public experience of County online information and service offerings by providing multiple online channels and formats such as web, mobile apps, mobile devices, email media and social media networks.		*	Planned Start: 07/01/18 Planned End: 09/30/19 Budget: \$ 350,000 Expended: \$ 197,431 Encumbered: \$ Balance: \$ 152,569 Source: General Fund	Execution - Completed the following: the landing page for all five Board of Supervisors' websites, the integration of the search engine with the legacy websites, the training for the content editor in the new content management tool, and the implementation of Google translation. The remaining tasks and activities include the Board Bot implementation (conversational search), quality assurance of the BOS websites, and Go Live. The project schedule is in "red" status since it has been extended by three months in order to complete the Google Translate and Board Bot (conversational search) capabilities. The project is on track with the new schedule and will go live on September 25, 2019.	85%
OCIT	OCIT	Cybersecurity Remediation - Implement vulnerability scanning capabilities and expand security incident and event monitoring (SIEM) capabilities to allow the County to respond to audit findings on adequate log monitoring and to enhance the County's cybersecurity preparedness.			Planned Start: 07/01/18 Planned End: 06/30/19 Budget: \$ 511,129 Expended: \$ 461,606 Encumbered: \$ 0 Balance: \$ 49,523 Source: General Fund	Completed - Completed project-closing activities, including LogRhythm backup and archiving and official transition to ongoing maintenance operations. The project was completed within schedule and budget.	100%

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

* Project has been rebaselined.

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

■ On track; within 10% of budget/schedule

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

■ Critical: >20% over budget/schedule

IT Project Dashboard (10 of 11)



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	OCIT	Dark Fiber Evaluation - Investigate the feasibility and potential cost savings associated with installing a dark fiber network between the downtown area and the Orange County Data Center (OCDC) and between campus sites and the OCDC. Dark fiber refers to unused fiber-optic cables from third-party vendor that the County can lease and use for connecting County sites.			Planned Start: 07/01/17 Planned End: 06/30/19 Budget: \$ 170,000 Expended: \$ 72,359 Encumbered: \$ 0 Balance: \$ 97,641 Source: General Fund	Completed - OCIT completed the dark fiber evaluation project that investigated the feasibility and anticipated cost savings associated with installing a dark fiber network between the downtown area and the Orange County Data Center (OCDC) as well as between the eight potential sites with high bandwidth requirements and the OCDC. The project team gathered, reviewed, analyzed the affordability, reliability and timeline of several options and recommended that dark fiber for the connectivity mentioned above is not a cost effective solution for the County at this time.	100%
OCIT	OCIT	Enterprise Network Redesign - Assess current network infrastructure and develop a network design that will meet the County's future business and technology needs.			Planned Start: 07/01/18 Planned End: 03/31/20 Budget: \$ 265,000 Expended: \$ 37,353 Encumbered: \$ 0 Balance: \$ 227,647 Source: General Fund	Execution - Completed procurement of professional services. Next steps include establishing the detailed project plan, developing the conceptual design, completing the final network diagram and migration strategy, and working with the vendor to pilot the solution.	30%
OCIT	OCIT	Project Portfolio Management System - Implement a solution for OCIT to manage its growing IT project portfolio.	**	**	Planned Start: 07/01/18 Planned End: TBD Budget: \$ 225,000 Expended: \$ 5,358 Encumbered: \$ 0 Balance: \$ 219,642 Source: General Fund	On Hold - This project is currently on hold. The Board suggested getting external assistance to help OCIT choose a project management tool. The project will be resumed after the completion of the external need assessment and tool recommendations. This project will be removed from the Quarterly IT project report until the it is resumed.	5%
OCIT	OCPW	Lab Information Management System - Implement a solution to enhance the operations of the Orange County Environmental Resources to comply with environmental regulations, permits and standards to monitor storm water quality for multiple programs.			Planned Start: 07/01/18 Planned End: 10/30/19 Budget: \$ 200,000 Expended: \$ 48,382 Encumbered: \$ 0 Balance: \$ 151,618 Source: OCPW	Execution - Completed workflow configuration, data interface, setup of support data, and general configuration. Upcoming activities include: install and setup of Horizon Field, setup of Subcontractor Lab Interface, configuration of Rule Engine, and legacy data migration. Note: The previous project budget of \$167,637 did not include OCIT labor cost estimate. The project budget has been revised to \$200,000 to include OCIT labor cost.	30%

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

* Project has been rebaselined.

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

■ On track; within 10% of budget/schedule

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

■ Critical: >20% over budget/schedule

IT Project Dashboard (11 of 11)



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	Integrated Jail Management System (IJMS) - Replace the existing 25-year-old system currently on the Unisys mainframe.			Planned Start: 06/15/16 Planned End: 12/31/19 03/31/20 Budget: \$ 6,800,000 Expended: \$ 1,204,628 Encumbered: \$ 2,553,890 Balance: \$ 3,041,482 Source: General Fund	<p>Execution - Continue testing of the latest software release (version 2.5). OCSD held meeting with Courts & Probation to determine the data that will be transmitted electronically. Continued data conversion and upload from the mainframe to new system for testing. Next steps are to continue configuring the new system as modules are available; performing data migration and validation from the mainframe to the new system; designing the interfaces to other systems; meeting with Courts, Records, Probation, and Cashiering to discuss the transmission of electronic data; and refining the Classification form.</p> <p>Budget Note: \$5M has been allocated for the project implementation. The additional estimated \$1.8M will be requested in future years to support disaster recovery of the system.</p> <p><u>Issue:</u> Minor schedule delays due to technical issues with data conversion and version upgrades. Further delays are being mitigated by compressing the frequency of data conversion testing, interface validation, and external agency meetings. This project has a firm date of 3/31/20, since OCSD needs to move the current system off the mainframe mid-2020 in order to avoid additional maintenance costs. Project team is working feverishly to meet this goal.</p>	46%
PD	PD	Modernizing the Courtroom Wireless & Cabling - Replace end-of-life wireless and network access system.			Planned Start: 09/01/18 Planned End: 08/31/19 Budget: \$ 749,877 Expended: \$ 566,113 Encumbered: \$ 0 Balance: \$ 183,764 Source: General Fund	<p>Execution - Completed the deployment of the servers and network equipment at each of the Data Centers; the installation of the last three AT&T circuits; the cutover the new OJUSTICE wireless network at Harbor Justice Center and West Justice Center; and the installation of the CAT6 network cables to the counsel tables in each of the arraignment courtrooms at Harbor Justice Center and West Justice Center. Remaining tasks include cutting over the OJUSTICE wireless networks at the three remaining Justice Centers (North Justice Center, Central Justice Center, and Lamoreaux Justice Center); installing the CAT6 network cabling to the counsel tables at each of the arraignment courtrooms in the three remaining Justice Centers; decommissioning the old OJUSTICE wireless equipment.</p> <p><u>Risk:</u> The project may experience a schedule delay due to resource constraint with the cable vendor who is currently booked with the Civic Center moves. The project team is working with the vendor to allocate additional resources.</p>	70%

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

* Project has been rebaselined.

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

■ On track; within 10% of budget/schedule

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

■ Critical: >20% over budget/schedule

Project Landing Map

The map below depicts when project benefits are realized.

Q1 FY18-19 Completed Projects	Q2 FY18-19 Completed Projects	Q3 FY18-19 Completed Projects	Q4 FY18-19 Reporting Quarter
<ul style="list-style-type: none"> ✓ PA/PG Conservatorship System 	<ul style="list-style-type: none"> ✓ Boardroom AV System Upgrade ✓ County Data Integration to Aid Homelessness Technology Strategy ✓ Customer Relationship Management (CRM) / Land Management System ✓ Enterprise CRM Strategy & Architecture ✓ OCIT PM Support for ATS II Support Transition ✓ Software Defined Network Pilot ✓ Voice & Data Network Transformation 	<ul style="list-style-type: none"> ✓ Project Information Management System (PIMS) 	<ul style="list-style-type: none"> ✓ Cybersecurity Remediation ✓ Dark Fiber Evaluation
Q1 FY19-20	Q2 FY19-20	Q3 FY19-20	Q4 FY19-20
<ul style="list-style-type: none"> ▪ Email Cryptography ** ePrescription for Controlled Substances ▪ Modernizing Courtroom Wireless & Cabling ▪ Web Content Management System Phase I 	<ul style="list-style-type: none"> ▪ Finance Tracker ▪ Lab Information Management System 	<ul style="list-style-type: none"> ** DA's Record Management System ▪ Enterprise Network Redesign ▪ Integrated Jail Management System ** Project Portfolio Management System 	<ul style="list-style-type: none"> ▪ Bed Reservation System for Shelter System ▪ Computerized Maintenance Management System (CMMS) ▪ Electronic Health Records (EHR) Interoperability ▪ Network Redesign for JWA ▪ ServiceNow for Shared Services
	<div style="background-color: red; color: white; padding: 5px; display: inline-block;">Schedule extended to complete all requirements</div>		
Q1 FY20-21	Q2 FY20-21	Q3 FY20-21	Q4 FY20-21
<ul style="list-style-type: none"> ▪ Property Tax System 	<div style="background-color: red; color: white; padding: 5px; display: inline-block;">Delayed and requires additional funding. The Board approved \$2.8M in additional funding during 8/27/19 BOS meeting.</div>	<ul style="list-style-type: none"> ▪ County Data Integration for Care Coordination 	<ul style="list-style-type: none"> ▪ Identity Governance & Administration ▪ Integrated Talent Management System
Q1 FY21-22	Q2 FY21-22	Q3 FY21-22	Q4 FY21-22
	<ul style="list-style-type: none"> ▪ HCA Business Intelligence & Analytics 		

✓ Project have ben completed.

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