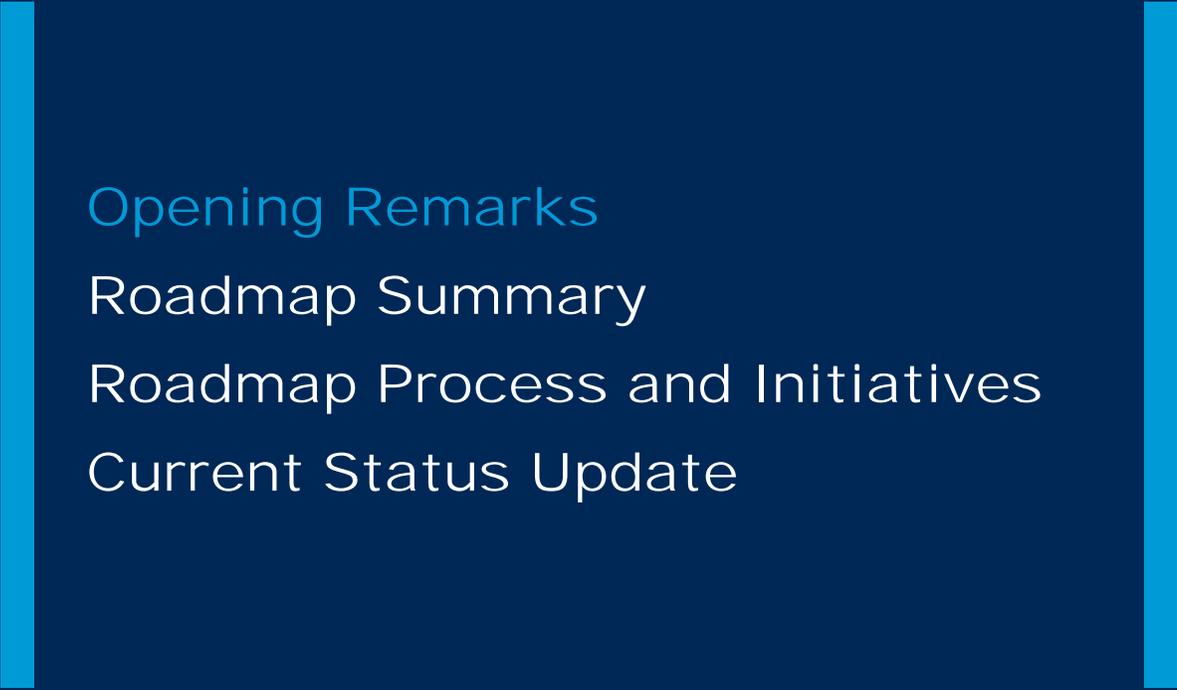


Justice Tracking Information System (JUSTIS) Roadmap Board Briefing

City and County of San Francisco

December 12, 2019





Opening Remarks

Roadmap Summary

Roadmap Process and Initiatives

Current Status Update

City Administrator Opening Remarks

Organizational Accomplishments

- Transfer of JUST.I.S. to the Department of Technology (DT)
- City engaged Gartner to deliver the 5-Year Roadmap
- Evolve from JUSTIS “project” to JUSTIS “program” to deliver business benefits
- Reconstituted the former JUSTIS Council as an Executive Board with Agency Heads and chaired by the City Administrator
- Established four Advisory Committees and engaged Gartner to provide governance support
 - Operations and Maintenance
 - Performance and Strategy
 - Architecture and Data Sharing
 - Systems and Large Projects



CIO Opening Remarks

5-Year Roadmap

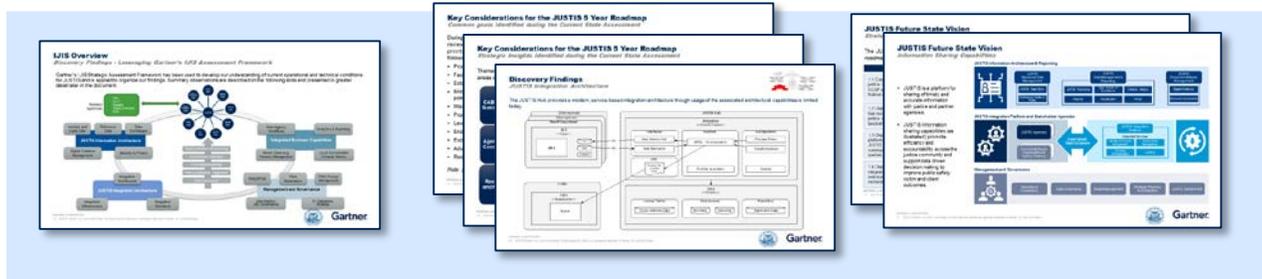
5-Year Roadmap collaboratively developed with engagement of all stakeholders

- Aligns with criminal justice and broader City goals
- Addresses risks and removes constraints imposed by legacy technology (CABLE3 CMS)
- Manages the dependencies on Superior Court's case management system project
- Establishes pilot for advanced analytics (PowerBI) to support decommissioning and to serve as the foundation for the Data Center of Excellence
- Provides the basis for COIT funding for Year 1 Roadmap funding to decommission CABLE3/CMS; other Roadmap modernization initiatives still require funding



Approach and Methodology

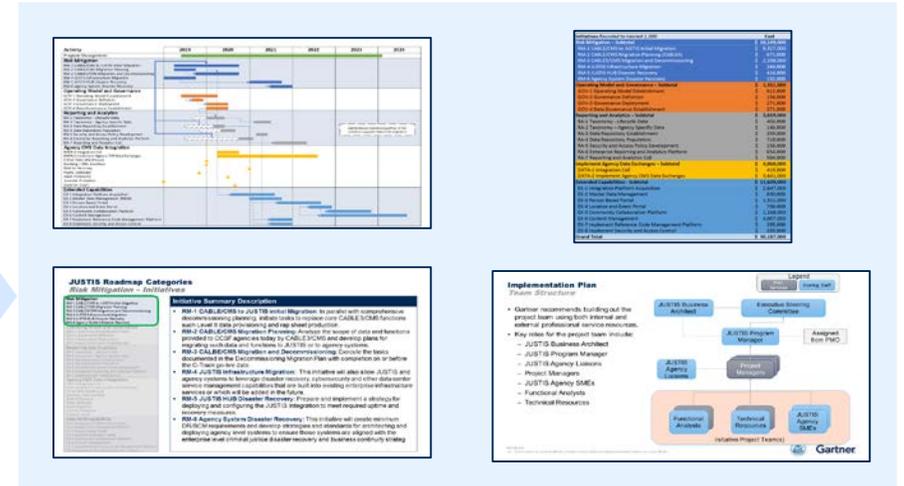
Collaborative Roadmap Process Driven by Criminal Justice Operational and Policy Imperatives



IJIS Assessment Framework

Current State Assessment

Future State Vision

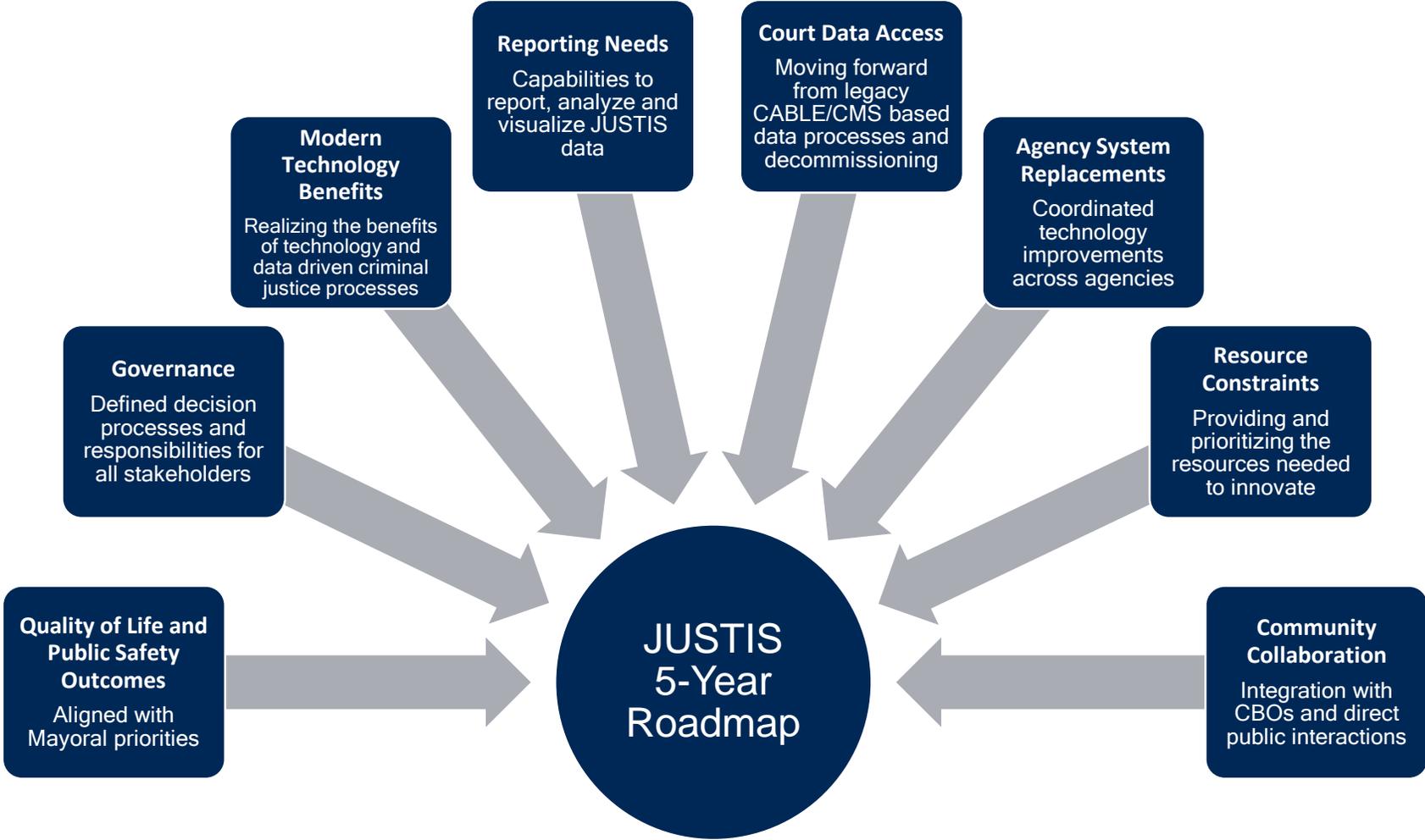


JUSTIS 5 Year Roadmap Initiatives, Schedule, Costs and Implementation Plan



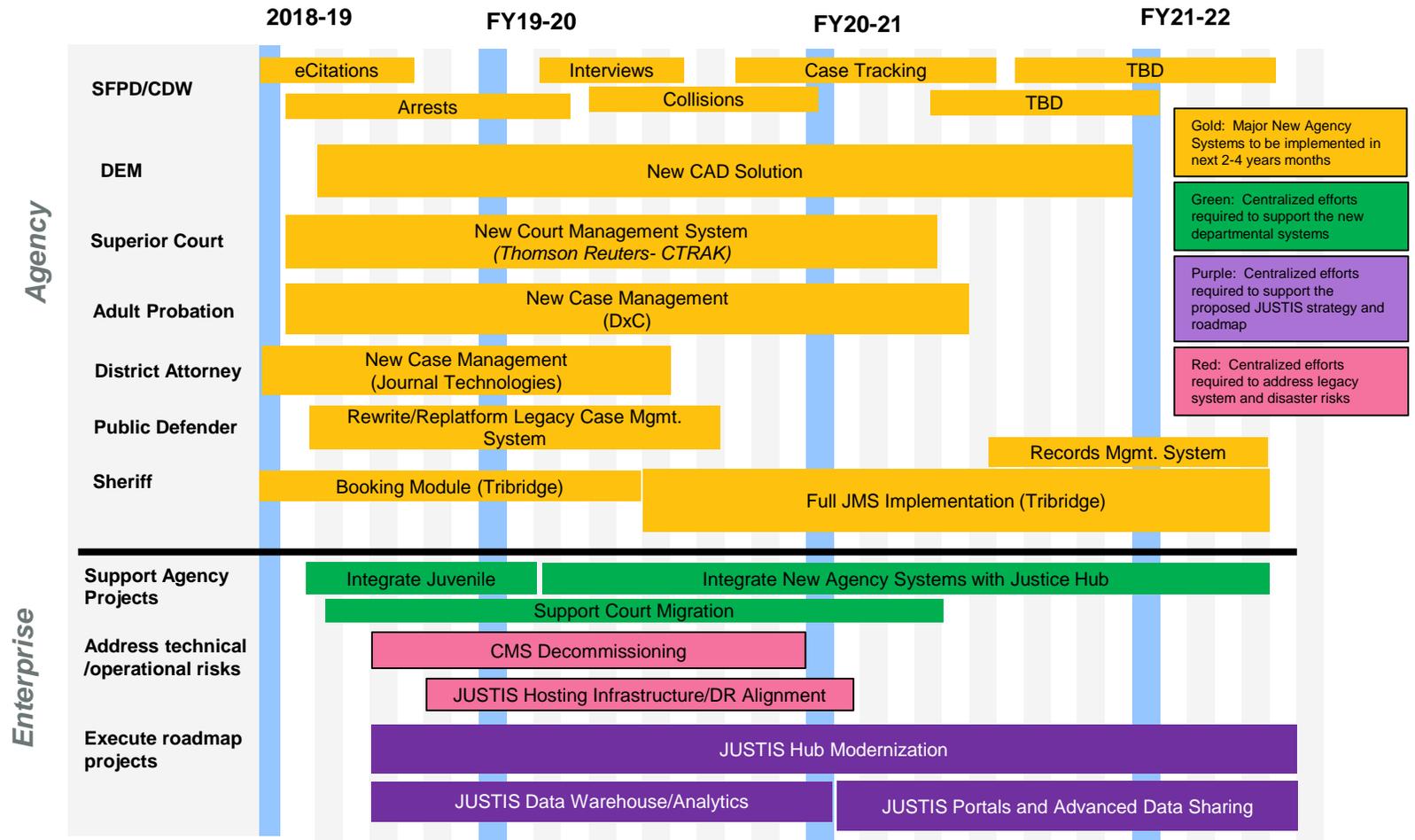
Business and Policy Drivers

Key Influencers on the 5 Year Roadmap



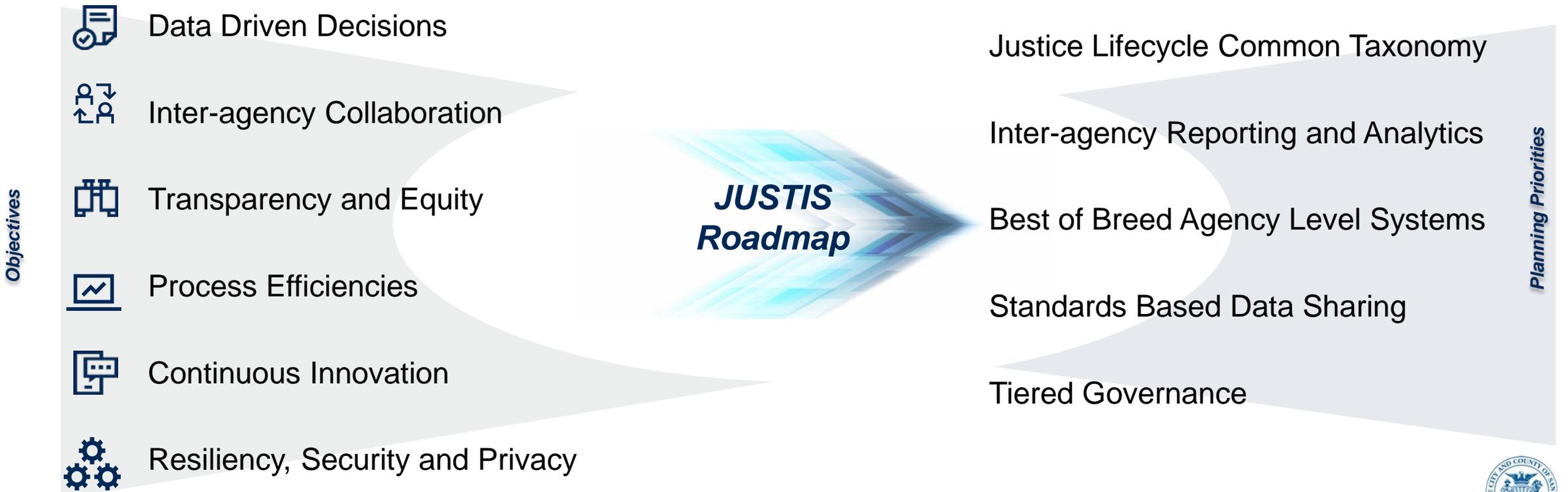
The JUSTIS Roadmap considers both Agency Driven and Shared Initiatives

- Nearly every JUSTIS agency is in the midst of replacing their core case management system.
- Each new system will need to be thoughtfully integrated with JUSTIS
- Significant effort will be required to decommission CABLE/CMS
- Infrastructure and DR issues need to be addressed
- The modernized, real-time JUSTIS data exchange and comprehensive enterprise level reporting and data analytics capability must be implemented



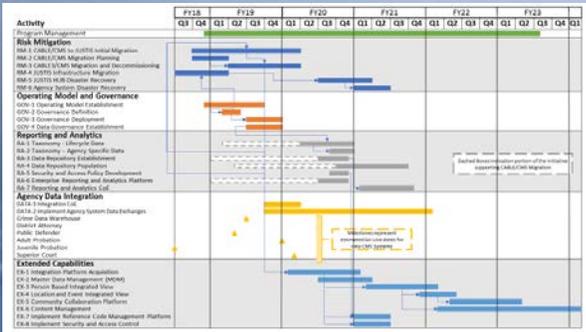
JUSTIS Future State Vision

JUSTIS will provide a platform for sharing of timely and accurate information with justice and partner agencies. JUSTIS information sharing capabilities will leverage modern technology to: improve the quality and consistency of criminal and juvenile justice data, enable the sharing of data between JUSTIS agencies in real-time whenever applicable, deploy robust reporting capabilities regarding the complete life cycle of the local criminal justice¹ system, and drive improvements in public safety outcomes through transparency and inter-agency collaboration.



JUSTIS 5 Year Roadmap Introduction

Schedule



The JUSTIS 5 Year Roadmap consists of four primary components

Cost Estimates

Category	Initiative	Investment	Sub Total
Risk Mitigation	RM-1 CABLE/CMS to JUSTIS initial Migration	\$ 6,327,000	
	RM-2 CABLE/CMS Migration Planning	\$ 671,000	
	RM-3 CABLE/CMS Migration and Decommissioning	\$ 2,298,000	
	RM-4 JUSTIS Infrastructure Migration	\$ 244,000	
	RM-5 JUSTIS HUB Disaster Recovery	\$ 418,000	
	RM-6 Agency System Disaster Recovery	\$ 192,000	\$10,149,000
Operating Model and Governance	GOV-1 Operating Model Establishment	\$ 612,000	
	GOV-2 Governance Definition	\$ 116,000	
	GOV-3 Governance Deployment	\$ 271,000	
	GOV-4 Data Governance Establishment	\$ 271,000	\$1,311,000
Reporting and Analytics	RA-1 Taxonomy - Lifecycle Data	\$ 403,000	
	RA-2 Taxonomy - Agency Specific Data	\$ 146,000	
	RA-3 Data Repository Establishment	\$ 359,000	
	RA-4 Data Repository Population	\$ 718,000	
	RA-5 Security and Access Policy Development	\$ 116,000	
	RA-6 Enterprise Reporting and Analytics Platform	\$ 654,000	
	RA-7 Reporting and Analytics CoE	\$ 584,000	\$3,019,000
Implement Agency System Data Exchanges	DATA-1 Integration CoE	\$ 419,000	
	DATA-2 Implement Agency System Data Exchanges	\$ 3,651,000	\$4,069,000
Extended Capabilities	EX-1 Integration Platform Acquisition	\$ 2,647,000	
	EX-2 Master Data Management	\$ 830,000	
	EX-3 Person Based Portal	\$ 1,511,000	
	EX-4 Location and Event Integrated View	\$ 756,000	
	EX-5 Community Collaboration Integrated View	\$ 1,268,000	
	EX-6 Content Management	\$ 4,007,000	
	EX-7 Implement Reference Code Management Platform	\$ 295,000	
	EX-8 Implement Security and Access Control	\$ 335,000	\$11,649,000
Grand Total			\$30,187,000

Initiative Descriptions

JUSTIS Roadmap Categories
Risk Mitigation - Initiatives

Risk Mitigation
RM-1 CABLE/CMS to JUSTIS initial Migration
RM-2 CABLE/CMS Migration Planning
RM-3 CABLE/CMS Migration and Decommissioning
RM-4 JUSTIS Infrastructure Migration
RM-5 JUSTIS HUB Disaster Recovery
RM-6 Agency System Disaster Recovery

Operating Model and Governance
GOV-1 Operating Model Establishment
GOV-2 Governance Definition
GOV-3 Governance Deployment
GOV-4 Data Governance Establishment

Reporting and Analytics
RA-1 Taxonomy - Lifecycle Data
RA-2 Taxonomy - Agency Specific Data
RA-3 Data Repository Establishment
RA-4 Data Repository Population
RA-5 Security and Access Policy Development
RA-6 Enterprise Reporting and Analytics Platform
RA-7 Reporting and Analytics CoE

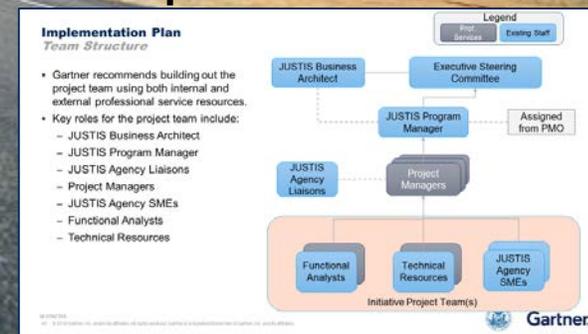
Agency Data Integration
DATA-1 Integration CoE
DATA-2 Implement Agency System Data Exchanges

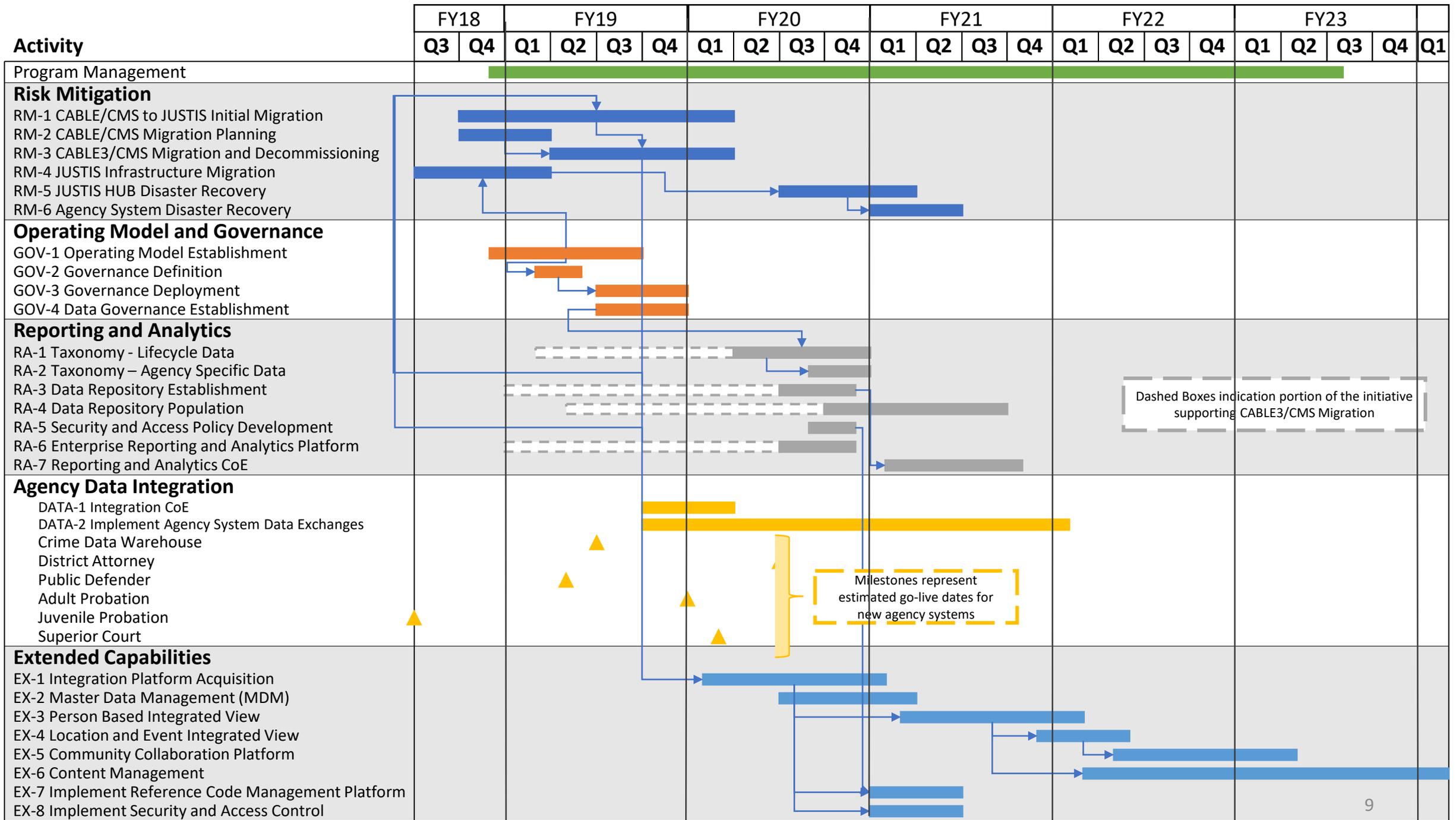
Extended Capabilities
EX-1 Integration Platform Acquisition
EX-2 Master Data Management (MDM)
EX-3 Person Based Portal
EX-4 Location and Event Integrated View
EX-5 Community Collaboration Integrated View
EX-6 Content Management
EX-7 Implement Reference Code Management Platform
EX-8 Implement Security and Access Control

Initiative Summary Description

- RM-1 CABLE/CMS to JUSTIS initial Migration:** In parallel with comprehensive decommissioning planning, initiate tasks to replace core CABLE3/CMS functions such level II data provisioning and rap sheet production.
- RM-2 CABLE/CMS Migration Planning:** Analyze the scope of data and functions provided to CCSF agencies today by CABLE3/CMS and develop plans for migrating such data and functions to JUSTIS or to agency systems.
- RM-3 CABLE/CMS Migration and Decommissioning:** Execute the tasks documented in the Decommissioning Migration Plan with completion on or before the C-Track go-live date.
- RM-4 JUSTIS Infrastructure Migration:** This initiative will also allow JUSTIS and agency systems to leverage disaster recovery, cybersecurity and other data center service management capabilities that are built into existing enterprise infrastructure services or which will be added in the future.
- RM-5 JUSTIS HUB Disaster Recovery:** Prepare and implement a strategy for deploying and configuring the JUSTIS integration to meet required uptime and recovery measures.
- RM-6 Agency System Disaster Recovery:** This initiative will create minimum DR/BCM requirements and develop strategies and standards for architecting and deploying agency level systems to ensure those systems are aligned with the enterprise level criminal justice disaster recovery and business continuity strategy.

Implementation Plan





JUSTIS 5 Year Roadmap

Highlights

Risk Mitigation
 RM-1 CABLE/CMS to JUSTIS Initial Migration
 RM-2 CABLE/CMS Migration Planning
 RM-3 CABLE3/CMS Migration and Decommissioning
 RM-4 JUSTIS Infrastructure Migration
 RM-5 JUSTIS HUB Disaster Recovery
 RM-6 Agency System Disaster Recovery

Risk Mitigation

- CABLE3/CMS Decommissioning

Operating Model and Governance
 GOV-1 Operating Model Establishment
 GOV-2 Governance Definition
 GOV-3 Governance Deployment
 GOV-4 Data Governance Establishment

Governance

- Executive Board and Advisory Committee Establishment

Reporting and Analytics
 RA-1 Taxonomy - Lifecycle Data
 RA-2 Taxonomy – Agency Specific Data
 RA-3 Data Repository Establishment
 RA-4 Data Repository Population
 RA-5 Security and Access Policy Development
 RA-6 Enterprise Reporting and Analytics Platform
 RA-7 Reporting and Analytics CoE

Reporting and Analytics

- Analytics Platform
- Data Center of Excellence

Agency Data Integration
 DATA-1 Integration CoE
 DATA-2 Implement Agency System Data Exchange
 Crime Data Warehouse
 District Attorney
 Public Defender
 Adult Probation
 Juvenile Probation
 Superior Court

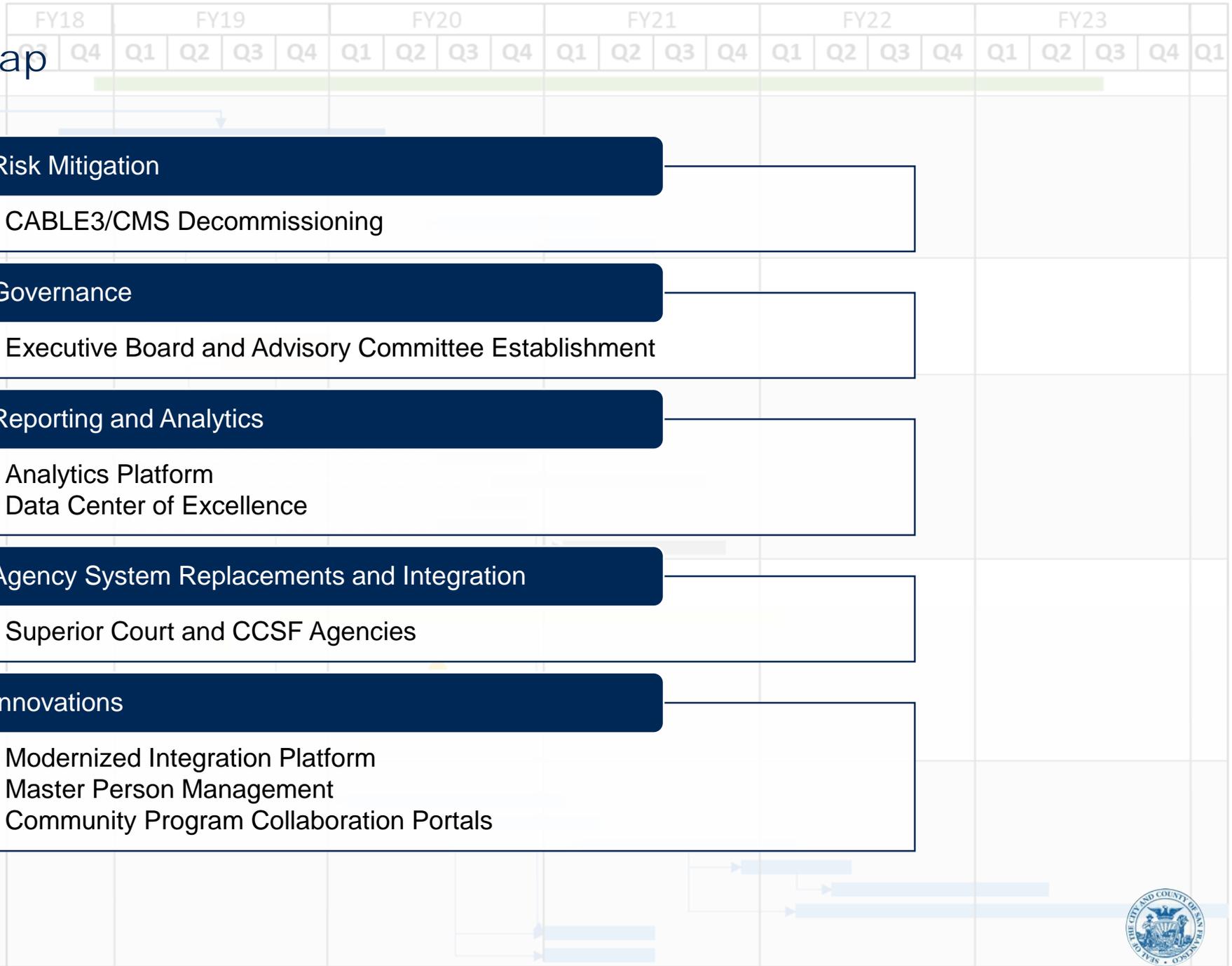
Agency System Replacements and Integration

- Superior Court and CCSF Agencies

Extended Capabilities
 EX-1 Integration Platform Acquisition
 EX-2 Master Data Management (MDM)
 EX-3 Person Based Integrated View
 EX-4 Location and Event Integrated View
 EX-5 Community Collaboration Platform
 EX-6 Content Management
 EX-7 Implement Reference Code Management Platform
 EX-8 Implement Security and Access Control

Innovations

- Modernized Integration Platform
- Master Person Management
- Community Program Collaboration Portals



JUSTIS Achieves Efficiencies, Data Sharing & Transparency

- All department case management systems are connected and sending data to the JUSTIS Hub
- JUSTIS is a central data Hub with secure technology for data sharing
- JUSTIS staff provide 24 x 7 data integration support
- JUSTIS is decommissioning CABLE3 while maintaining data operations
- JUSTIS supports cross agency criminal justice initiatives such as:
 - Domestic Violence Lethality Assessments
 - Aggregation and prioritization of criminal justice KPI's, Future Data Sharing, Upcoming Department Large System Implementations and cross-agency Operations
 - Data Driven Dashboards
 - Integration Taxonomy

JUSTIS Programs In Progress

Current Activities

- Office of Justice Technology within DT
- Full CABLE 3 – CMS Decommission tied to Courts C-Track Implementation underway.
- Rolling decommission removing department dependencies starting with the Public Defenders Office.
- JUSTIS Modernization with new, secure Power BI Node to handle all CABLE reports conversions and future dashboards.
- Constructing replacement systems for SFPD ID Bureau, District Attorney and Sheriff's Department
- Aggressive schedule to stay in lock-step with SF Courts

JUSTIS HIGH LEVEL INTERNAL SCHEDULE

Activity	FY19												FY20				FY21			
	Q3	Ju	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Ju	Q3	Q4	Q1	Q2	Q3	Q4
PROJECT MANAGEMENT																				
Executive Management																				
Technical and Project Management																				
RISK MITIGATION <i>(Systems & Large Projects Advisory Committee)</i>																				
Contractors - Level II																				
CMS Migration Planning																				
CMS to JUSTIS Initial Migration (BA)																				
CMS Migration and Decommissioning (Dev / Test)																				
JUSTIS Web Architecture																				
JUSTIS Web Apps - CMS Transactions																				
- Police ID Bureau Web Dev																				
- Police Be Advised System																				
- District Attorney Dispositions																				
- District Attorney Case Assignments																				
- Sheriff Warrants Bureau (CBK / CAB)																				
- Adult Probation (SRF)																				
- Courts AD / Web Access																				
CMS Documentation Automation																				
CMS Migration and Decommissioning (BI Dev)																				
- District Attorney Report Conversion (First 4)																				
- Public Defender Report Conversion																				
- Sheriff / O.R. Report Conversion																				
- District Attorney (remainder) Report Conversion																				
- Adult Probation																				
- Police / Emergency Management																				
- State DoJ / External Agencies																				
- Courts																				
Contractors - Power BI Secure Infrastructure																				
Court C-Track Dev & Implementation																				
Court C-Track / CABLE 3 Decommission Corrections and Support																				
JUSTIS HUB Disaster Recovery																				
Agency System Disaster Recovery																				
Strategic Planning																				
Governance Definition																				

Thank You!

Thank you to each of the agencies for your contributions to the Roadmap

