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DEPARTMENT OF ECONOMIC SECURITY

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*Your Partner For A Stronger Arizona*

# Mainframe Migration Project

## Department of Technology Services

**Presented By:**

Doug Crane, Deputy Chief Information Officer  
David Allen Platt, Data Center Operations Administrator

August 21, 2019

# Project Overview

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The Arizona Department of Economic Security (ADES) Division of Technology Services (DTS) needs to migrate the current physical mainframe platform to a shared, multi-tenant hosted solution to address the following needs:

## Business

- At risk of losing Federal funding due to IRS audit compliance requirements
- At risk of losing Department of Labor funding due to inability to conduct required annual disaster recovery validation
- Loss of mainframe support staffing due to an aging workforce
- Economic inflexibility

## Technical

- New business solutions are limited on the mainframe platform



# Change Request CR-0386: Schedule Modification

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- The Project End Date was pushed out from November 2019 to November 2020 due to the following factors:

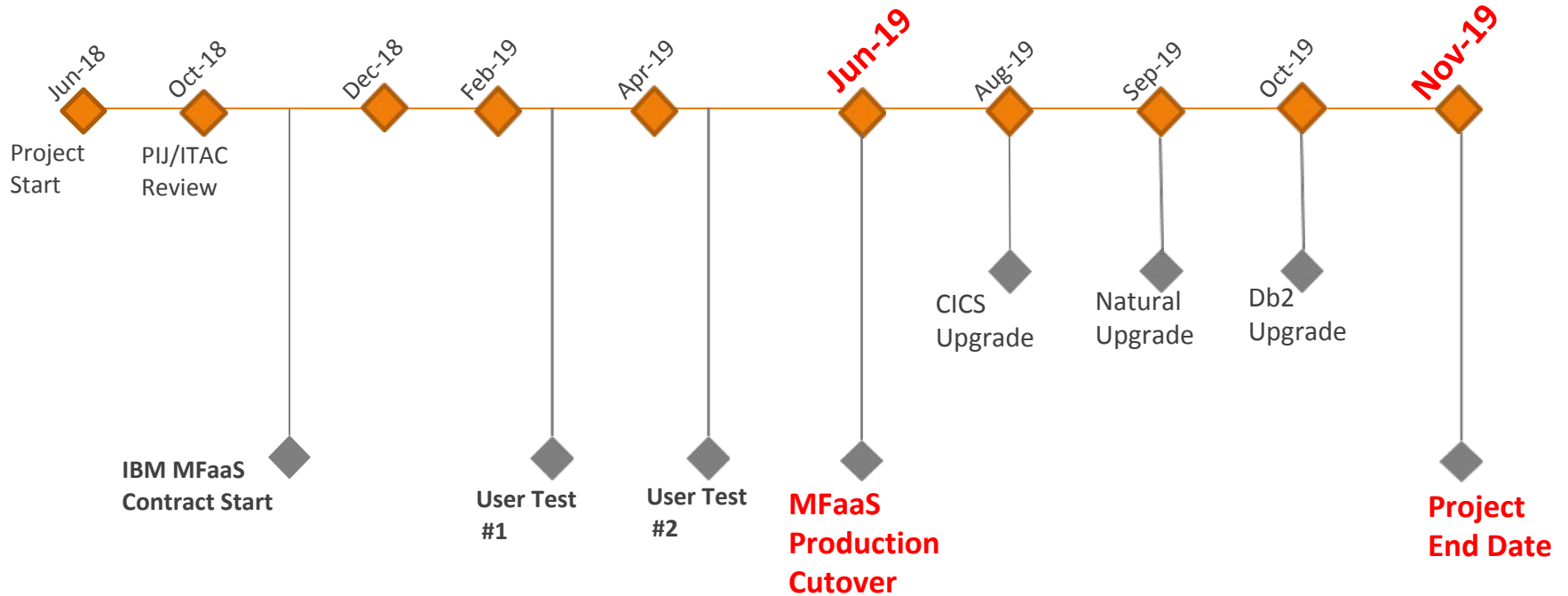
Reason for Delay	Impact
The APD process was not incorporated into the original timeline	6-month delay
Extended contract negotiations with the vendor and the lengthy Federal Approval process (which was also impacted by the government shut-down)	4-month delay
The post-implementation database upgrades were pushed out to start after the year-end freeze period*	2-month delay

- **There is no increase to scope nor increased development costs as a result of the change to the implementation date.**

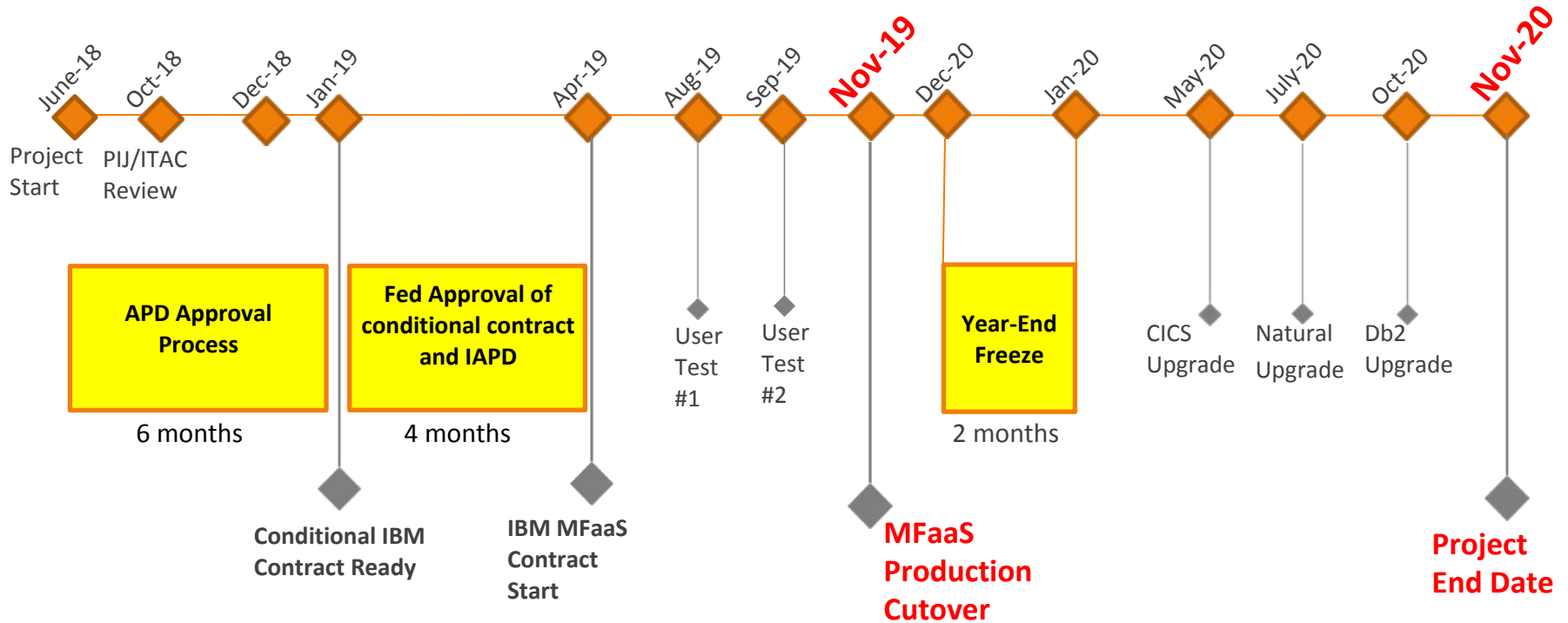
\* The year-end freeze is application-specific, not enterprise-wide, but impacts the mainframe databases.



# Initial Proposed Timeline (as of October 2018)



# Current Timeline (as of July 2019)



# Milestone Updates for Change Request (CR-0386)

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Milestone	Description	Start Date	Finish Date
M-1657	Stabilization/Year End Freeze	11/18/19	01/31/20
M-2022	CICS Upgrade	02/03/20	05/29/20
M-2023	NATURAL Application Upgrade	06/01/20	07/31/20
M-2024	Db2 Upgrade	08/03/20	10/30/20
M-2025	Mainframe Migration Project Complete	10/30/20	11/20/20



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Thank you for your  
time today.



# ITAC Update

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ACCESS VOTER INFORMATION DATABASE (AVID) PROJECT  
OFFICE OF THE ARIZONA SECRETARY OF STATE

# Agenda

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- Background
- Change Order #1
- Change Order #2
- Change Order #3
- Change Order #4
- Revised Budget

# Background

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*As Arizona's population increases so does Arizona's voter registration rolls. The AZ SOS and the Counties are consistently looking for ways to increase efficiencies in managing the growing number of registrants, maintaining the highest level security of data, and providing ease of registration to Arizona voters. There are currently over 3 million registered voters in Arizona.*

- In August 2016, AZSOS initiated the AVID Project to take a deliberative, disciplined approach to examining our options and determine the best path forward to ensure we maintain a secure and modern voter registration system
- Arizona awarded a competitive bid for a new state-wide voter registration system (AVID) to a new vendor (Team Sutherland) on November, 2017
- Project delays because of stakeholder availability and complexities of dealing with outside interfaces have caused a five-month delay in the project
- Minor unanticipated scope changes have occurred causing an increase in the initial implementation cost of \$148,851
- The overall five-year budget is about \$290,244 over initial estimates due to above changes and delays causing us to have to pay two vendor's M&O and additional project oversight for several months
- The project is 99% complete and projected to go-live September 16, 2019

# Change Order #1

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## MVD Phase 1 & Publicity Pamphlet

*Change to original scope*

This work will bridge the gap between when AVID goes live and the new MVD MAX system goes live to ensure we are still compliant with all applicable laws. At project inception it was not realized that two separate MVD interfaces were required. The Publicity Pamphlet work is a new requirement, as required by law, that will capture a voter's choice to opt-in to an email for an electronic version of the SOS publicity pamphlet. The estimated cost for the change is \$114,441.

# Change Order #2

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## Project Timeline Extension

*Change to original timeline*

There has been a five-month delay in the projected go-live date for AVID. The delays are due to county partner's request for additional testing time as well as some delays in development to the external interfaces with Maricopa County, Pima County, MVD and our Public Portal. The new go-live date is currently September 16, 2019. It has been determined there will not be a financial impact to the SOS by the vendor for the five-month delay. The AZSOS did incur additional project management and oversight cost of approximately \$176,000 due to this delay.

# Change Order #3

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## E-Equal Interface

*Change to original scope*

This is a new requirement that was not captured in original scope documents. This will allow AVID to interface with the state's E-Equal application for voters to electronically sign petitions and is required under state law. The estimated cost of this change is \$15,762.

# Change Order #4

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## Service Arizona & MVD Changes

*Change to original scope*

This is a new requirement that was unanticipated and is due to a change by MVD in how voter registration information done online is transferred to AVID. A new interface needs to be built between AVID and the online voter registration system ServiceArizona. The estimated cost of this change is \$18,648.

# Revised Project Budget

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Original Project Cost Estimate						
Description	2018	2019	2020	2021	2022	Total
Implementation	\$1,963,776	\$2,692,864	0	0	0	<b>\$4,656,640</b>
Maintenance & Operations	0	\$663,000	\$663,000	\$663,000	\$663,000	<b>\$2,652,000</b>

Actual Project Costs Estimate						
Description	2018	2019	2020	2021	2022	Total
Implementation	\$680,811	\$1,747,740	\$2,273,334	0	0	<b>\$4,701,885</b>
Maintenance & Operations	0	\$683,843	\$846,428	\$684,788	\$681,940	<b>\$2,896,999</b>

The difference in outstanding changes is \$290,244, or about 4% of the total 5 year budget

# Arizona Procurement Portal Project

**ARIZONA**

PROCUREMENT PORTAL

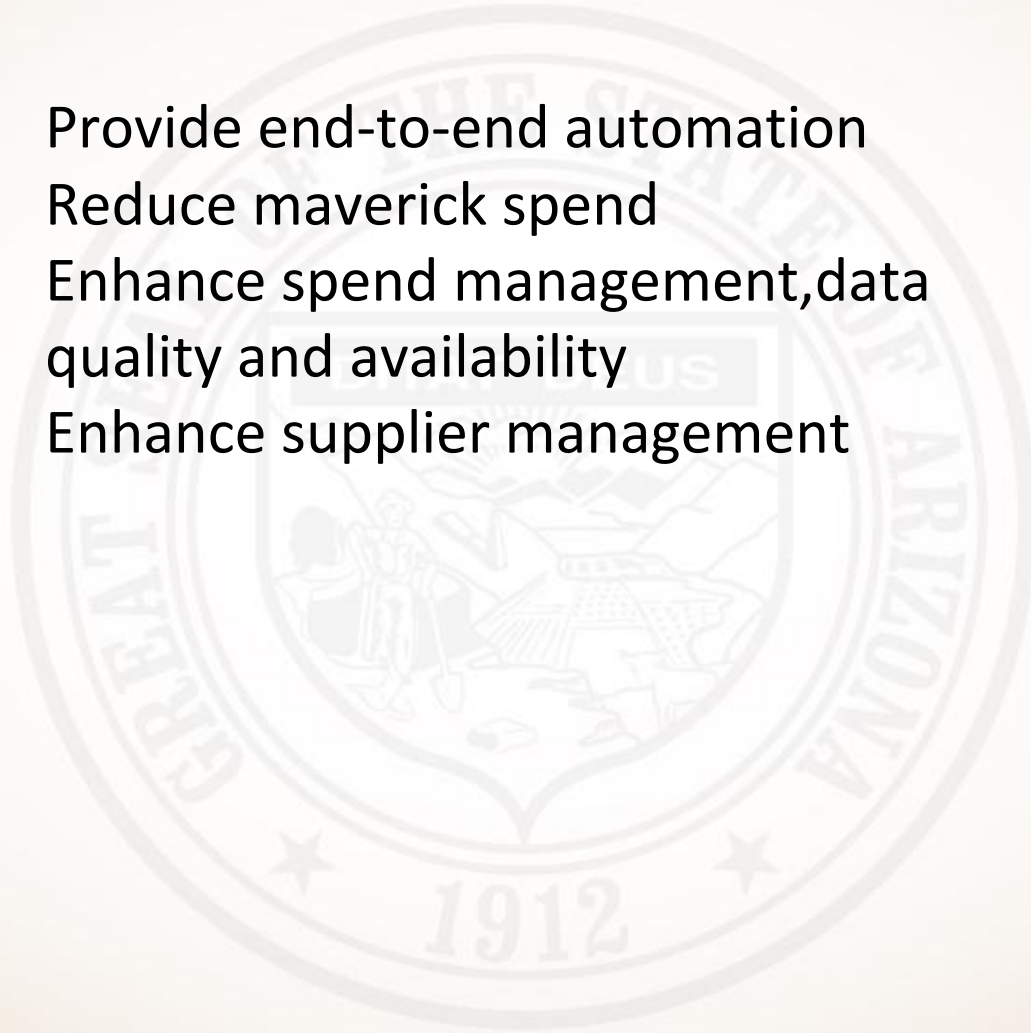
*Request for Administrative Change*

**ARIZONA**  
DEPARTMENT OF ADMINISTRATION

# Arizona Procurement Portal Vision

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- Provide end-to-end automation
- Reduce maverick spend
- Enhance spend management, data quality and availability
- Enhance supplier management







# By the Numbers



April 2019

# Aligning to the State of Arizona Vision

**Vision Statement:** The goal of the Source to Pay (S2P) solution is to provide end-to-end automation; reduce maverick spend; and enhance spend management, data quality and availability, and Vendor management across the Source to Pay (S2P) process spanning Procurement and GAO.

	 <b>Process</b>	 <b>Availability</b>	 <b>Spend</b>	 <b>Automation</b>
	<p>Simplify processes by enabling collaboration between procurement stakeholders through a self-service platform</p>	<p>Enhance transparency through seamless access, improved analytics, strong internal controls and reporting</p>	<p>Achieve cost-savings through greater process efficiency and effective performance management</p>	<p>Leverage leading practice to inform system design and align technology to users' best interests</p>
<b>Procure to Pay</b>	<ul style="list-style-type: none"> <li>Standardize agency processes</li> <li>Reduce complexity through business rule driven approval workflow</li> </ul>	<ul style="list-style-type: none"> <li>Embed alerts and controls during P2P processes</li> <li>Visibility into demand for planned procurement</li> </ul>	<ul style="list-style-type: none"> <li>Savings realization through greater spend visibility</li> <li>Increase catalog spend</li> </ul>	<ul style="list-style-type: none"> <li>Leverage electronic workflows and notifications</li> <li>Simplify and streamline the encumbrance process</li> </ul>
<b>Source to Contract</b>	<ul style="list-style-type: none"> <li>Manage operational performance</li> <li>Track and manage spend on contract</li> </ul>	<ul style="list-style-type: none"> <li>Improve visibility and status tracking of sourcing events</li> <li>Audit trail for Source to Contract processes</li> </ul>	<ul style="list-style-type: none"> <li>Wider adoption of State-wide contracts</li> <li>Increase efficiency via reduced manual processes</li> </ul>	<ul style="list-style-type: none"> <li>Create business rules to increase compliance to Code</li> <li>Maintain templates to standardize processes</li> </ul>
<b>Vendor Management</b>	<ul style="list-style-type: none"> <li>Automate classification and normalization of data</li> <li>Eliminate duplicate data entry</li> </ul>	<ul style="list-style-type: none"> <li>360 view of supplier records across all agencies</li> <li>Supplier visibility into all transactional activities with the State</li> </ul>	<ul style="list-style-type: none"> <li>Improve process efficiency through structured data</li> <li>Visibility into total vendor spend across the State</li> </ul>	<ul style="list-style-type: none"> <li>Improve supplier experience through intuitive self-service portal</li> <li>Drive ownership of vendor record</li> </ul>

# Previous State (Available Functionality)

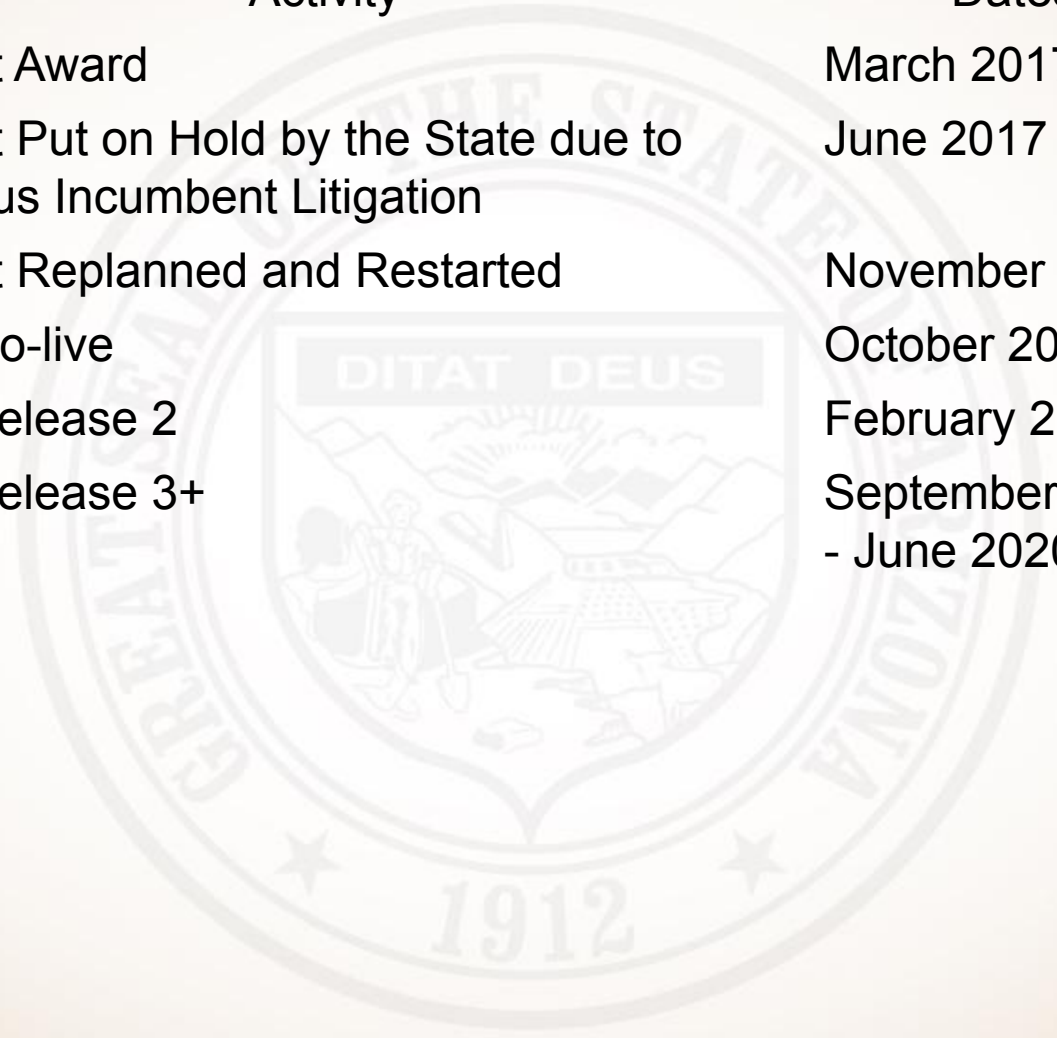
Spend Analysis	Savings Tracking	Supplier Management	Sourcing Management	Contract Management	Content Management	Spot Buying	Procurement	Services Procurement	Invoice Management
Data Extraction	Spend Forecasting	Research	Project Management	Authoring	Category Management	Quote	Purchase Requisition	Purchase Requisition	Invoicing
Data Enrichment	Savings Management	Qualification & Classification	eRFx & Auctions	Approval	Content Management	Order	Approval	Approval	Approval
	Controlling	Performance Evaluation	Bids	Repository	Catalog Management		Purchase Order	Purchase Order	Integration
		Risk Management	Awards	Contract Template Library			Goods Receipt	Services Receipt	Dynamic Discounting
		Integration					Integration	Integration	
		Data Management							

# Current State (Available Functionality)

Spend Analysis	Savings Tracking	Supplier Management	Sourcing Management	Contract Management	Content Management	Spot Buying	Procurement	Services Procurement	Invoice Management	Travel & Expense Management
Data Extraction	Spend Forecasting	Research	Project Management	Authoring	Category Management	Quote	Purchase Requisition	Purchase Requisition	Invoicing	Expense Entry
Data Enrichment	Savings Management	Qualification & Classification	eRFx & Auctions	Approval	Content Management	Order	Approval	Approval	Approval	Approval
	Controlling	Performance Evaluation	Bids	Repository	Catalog Management		Purchase Order	Purchase Order	Integration	Integration
		Risk Management	Awards	Contract Template Library			Goods Receipt	Services Receipt	Dynamic Discounting	
		Integration					Integration	Integration		
		Data Management								

# Key Project Activities and Dates

Activity	Dates
Project Award	March 2017
Project Put on Hold by the State due to Previous Incumbent Litigation	June 2017
Project Replanned and Restarted	November 2017
APP Go-live	October 2018
APP Release 2	February 2019
APP Release 3+	September 2019 - June 2020



## Project Info

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- Project had 5 different executive sponsors
- Project had only 3 dedicated ADOA resources
- \$15 million budget requested, \$9 million appropriated in FY2018
- Additional \$3 million requested and appropriated in FY2019
- System functionality not deemed critical for go-live was deferred because of schedule and budget constraints
- APP went live on time. We will implement key deferred functionality within the current fiscal year. This requires an administrative change to the PIJ end date

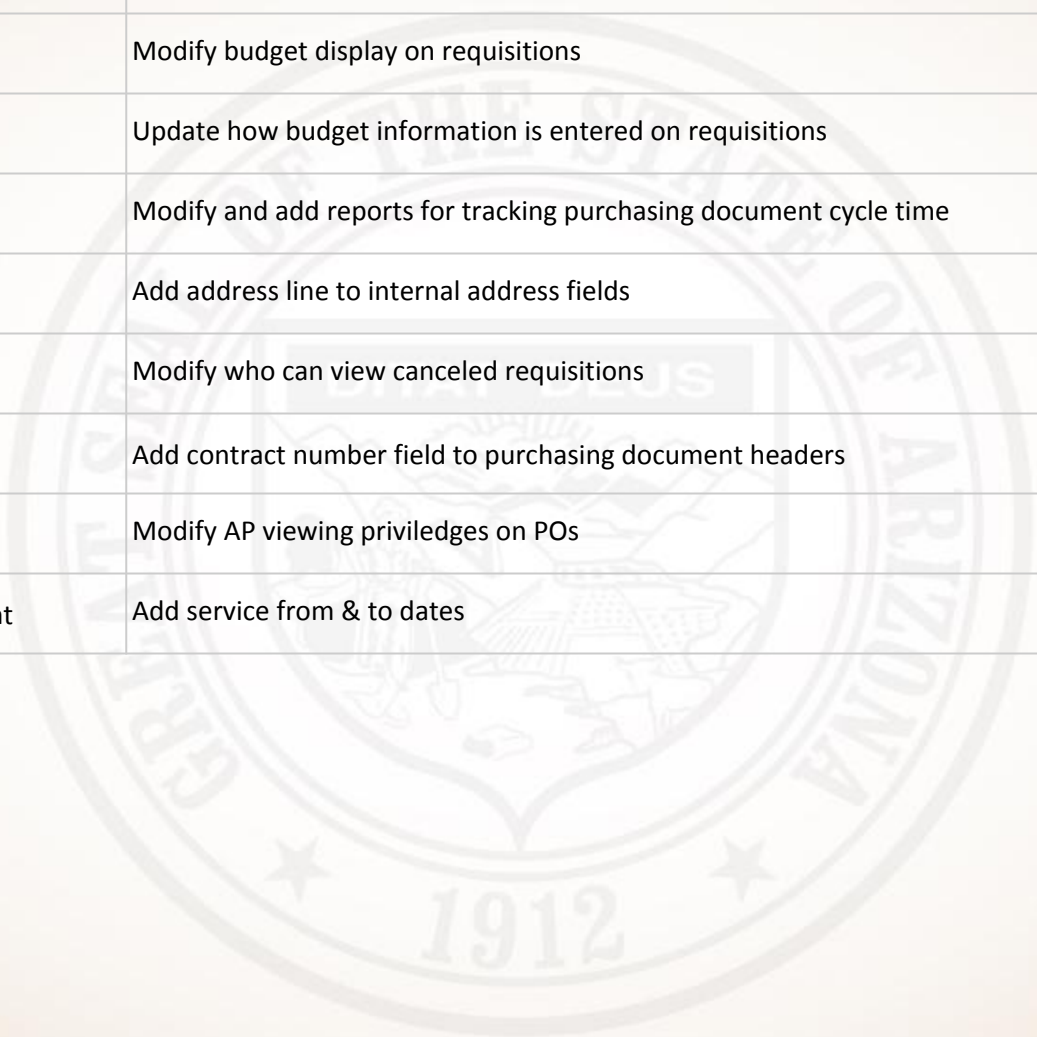
# Deferred Functionality

Source to Pay	Deferred Functionality
Supplier Management	Add phone number to supplier's main corporate record
Sourcing Management	Modify BAFO process
Sourcing Management	Modify discussion forum
Sourcing Management	Modify what information is available on the Public Portal after award
Sourcing Management	Modify sourcing project team member privileges
Sourcing Management	Modify sourcing project amendment actions
Sourcing Management	Add workflow to solicitation award
Sourcing Management	Add ability to make attachments to questions in questionnaire confidential
Contract Management	Modify contract amendment process to improve the PO change order process



# Deferred Functionality

Source to Pay	Deferred Functionality
Procurement	Modify budget display on requisitions
Procurement	Update how budget information is entered on requisitions
Procurement	Modify and add reports for tracking purchasing document cycle time
Procurement	Add address line to internal address fields
Procurement	Modify who can view canceled requisitions
Procurement	Add contract number field to purchasing document headers
Procurement	Modify AP viewing privileges on POs
Invoice Management	Add service from & to dates





# Questions?



**Arizona Department of  
Public Safety  
CJIS Applications  
Conversion Project End  
Date Change Request**

August 21, 2019

# Introductions

- Gregg Hayes, Information Technology Manager, CIO
- Michele Johnson, IT Project Manager

# Project Purpose

- The Arizona Department of Public Safety (AZDPS) is moving Criminal Justice Applications (Hot Files, e.g., Wanted Persons & Stolen Vehicles, and Criminal History Files) to a new open systems platform.
  - Replacing 30+ year old system
- This is a 3-phase project. Hot Files, Criminal History and “Other”

# Definitions

- Hot Files – Records entered into the Arizona Criminal Justice Information System (ACJIS) by Arizona law enforcement agencies to include, wanted persons, stolen vehicles, stolen guns, stolen boats, etc. These records are primarily used by officers on the street and detectives.
- Criminal History Record Information (CHRI) – A fingerprint based record containing identification information, notations of arrests and dispositions.
- Other – Remaining CJIS support mainframe applications which will be moved from the mainframe to the new Message Switch.

# Reasons for End Date Change Request

- Moving from archaic applications, databases and languages has been challenging.
- Existing AZ DPS System is highly customized which has added additional programming needs to the COTS solution.
- Lack of DPS IT Staff – Application Development area is down 9 positions.
- Existing staff has a lack of some historical knowledge of the 30-year old existing systems, which has caused some things to come to light during internal testing that were unknown during discovery.

# Proposed Project Timeline

	2017		2018				2019				2020				2021
	Q3 2017	Q4 2017	Q1 2018	Q2 2018	Q3 2018	Q4 2018	Q1 2019	Q2 2019	Q3 2019	Q4 2019	Q1 2020	Q2 2020	Q3 2020	Q4 2020	Q1 2021
<i>Hotfiles Implementation</i>	Discovery		Configure		SIT		UAT	Rework	PROD						
<i>CCH Implementation</i>				Discovery			Configuration			SIT	Train	UAT	PROD		
<i>CJIS Other</i>							Discovery	Configuration			SIT	UAT	PROD		

# End Date Change Request

- Project timelines have been adjusted and all 3 phases are being worked concurrently.
- There will be no increase or decrease to the project scope.
- There will be no increase to project cost.
- Request is to move the project end date (will include all 3 phases) to December 30, 2020.

Questions?



# Provider Management Project HC19002

Change Request 0402

August 21, 2019



# Introductions

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- Mike Upchurch, Applications Manager  
Information Services Division
- Jeffery Tegen, Assistant Director Business  
and Finance

# Project Overview

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The vast majority of our processes are automated. Over 3 million web and 12 million encounter transactions a month

As an Agency 95% of our processes are available via electronic transaction.

Provider is the exception

Current State:

- Aging system on old mainframe technology
- Paper-based process
- Methods vary for registering providers

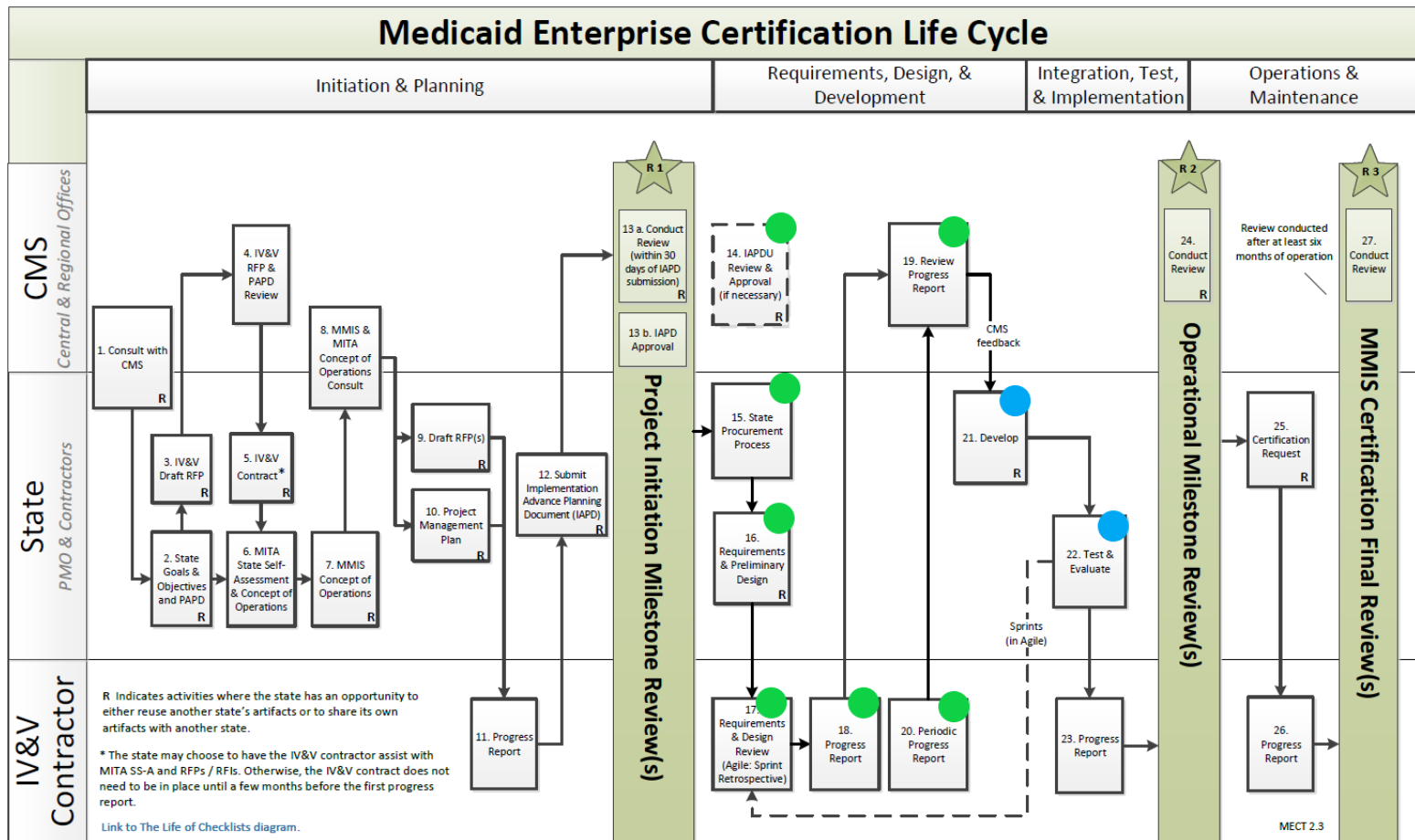
Goals of the project:

- Update to current technology using a “Cloud First” strategy.
- Flexible to changing needs
- Fully automated, self-service process

# Summary of Accomplishments

- Worked with Vendor to understand interactions between mainframe system and Vendor's EvoBrix System.
- R1 and several additional Quarterly Reports submitted and accepted by CMS.
- Requirements and Design Discussions completed.
- Mainframe design and coding underway.
- Mainframe test environments have been setup and ready for User Acceptance Testing (UAT).
- Communication Plan has been developed and initial communications with providers have taken place.

# Summary of Accomplishments

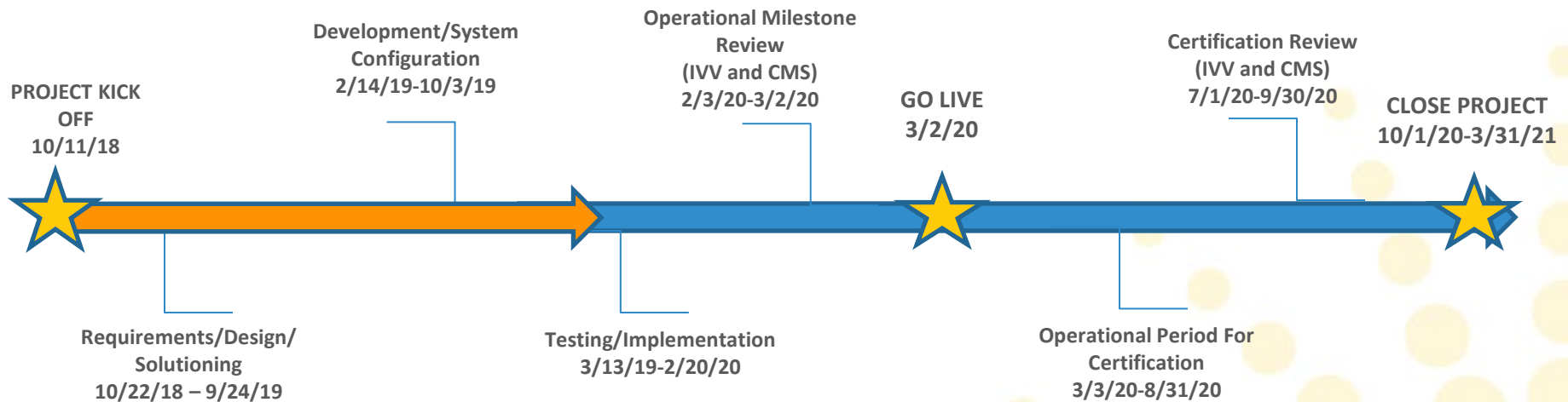


# Summary of Changes

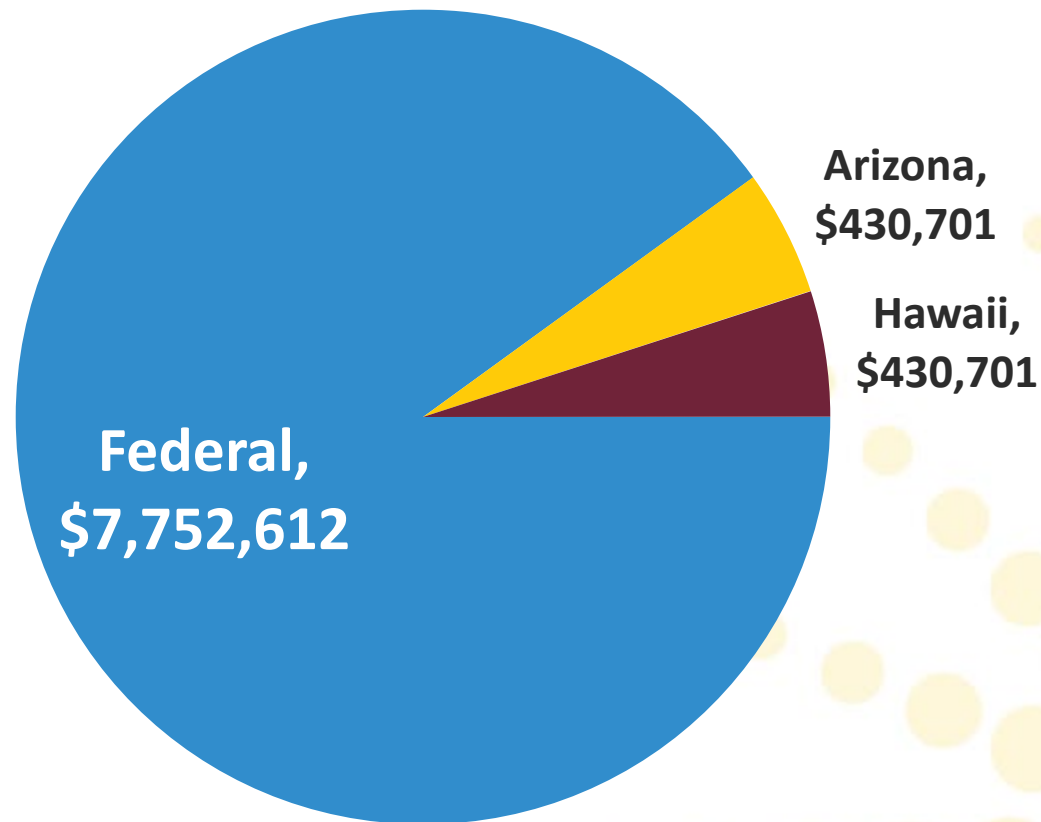
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- Scheduled Go Live from 8/2019 to 3/2020
- New and Enhanced Requirements
- Staff Augmentation

# Schedule Change

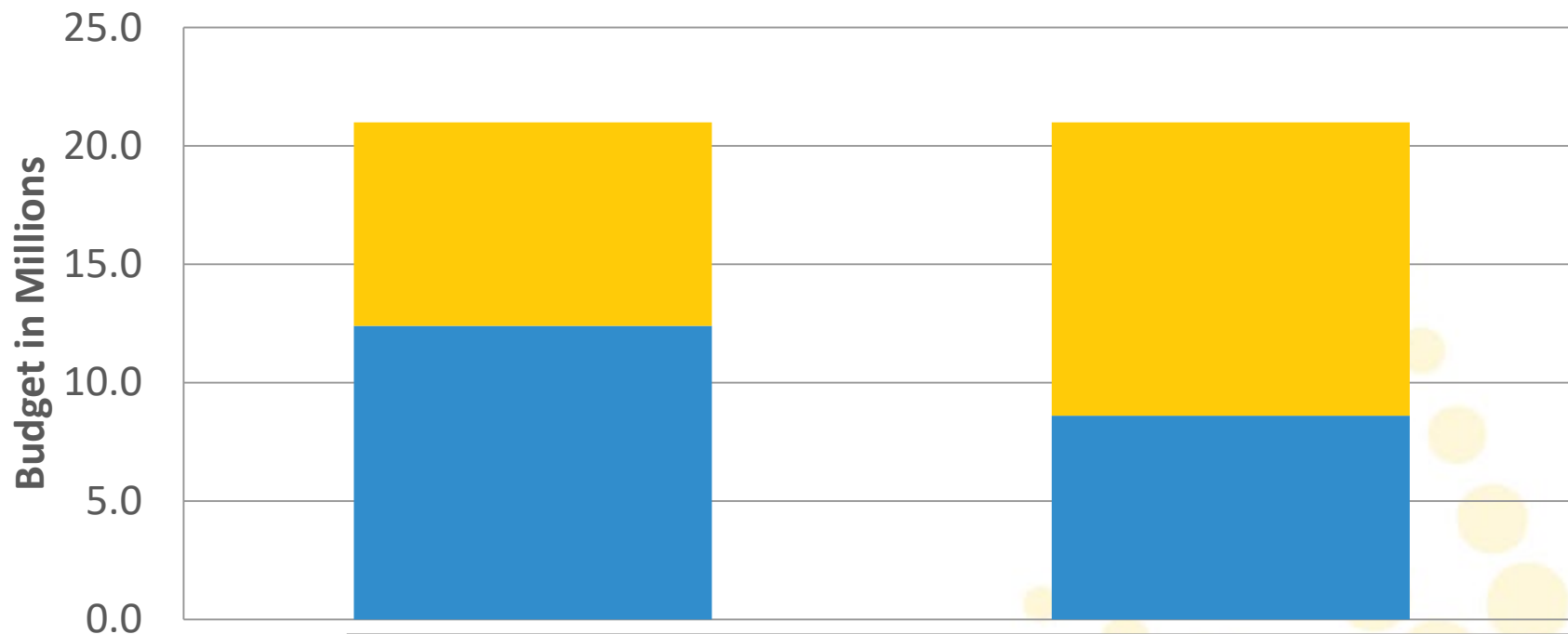


# Original Implementation Budget



# Baseline Budget Update

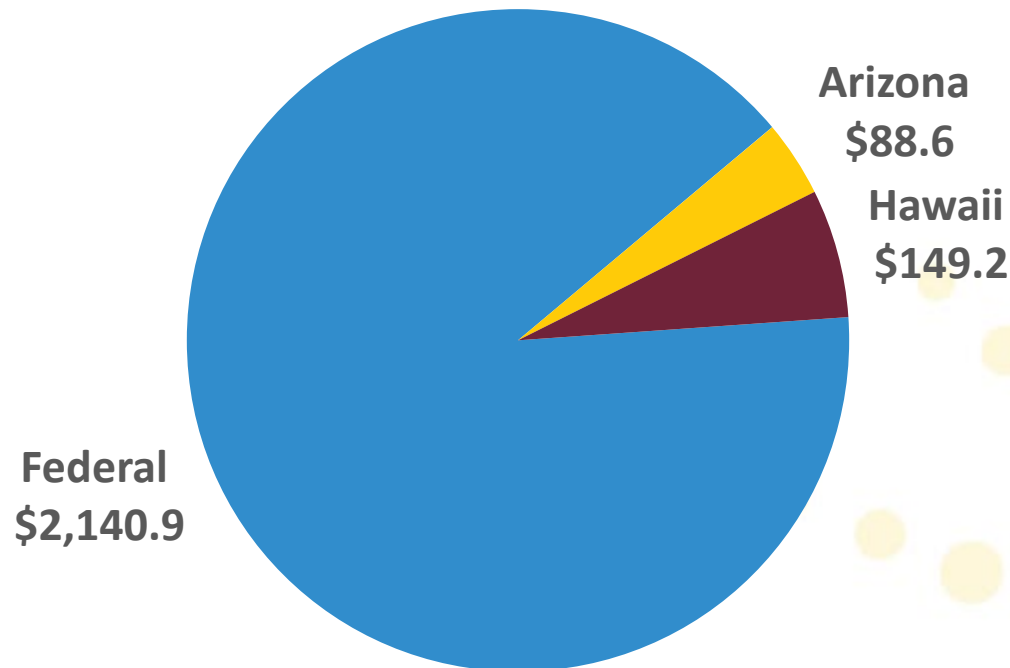
## Original vs Adjusted



	Aug 2018	Aug 2019
Implementation	8.6	12.4
Operations	12.4	8.6

# Change Request Implementation Costs

Costs in Thousands



# Questions?



# Thank You.



# Presentation to ITAC Change Request

## Early Childhood Education (ECE) Preschool Development Grant (PDG)

PIJ ED15005

ITAC Presentation  
August 28<sup>th</sup>, 2019



# ECE-PDG PIJ Project Purpose

Integrate pre-school data with States' K-12 data in support of the Early Childhood Education to identify highest needs areas



# ECE-PDG PIJ Problem Statement

The AZ Department of Education ECE system is limited by supporting preschool programs and is not integrated with the States' K-12 data



# ECE-PDG PIJ Original Solution

- **AZDash Integration** - Integrate preschool student data from Teaching Strategies GOLD into ADE Agency ODS with K-12 and expose in existing AZDash Reports.
- **Profiles** – Collect characteristics for preschool providers, teachers and students to support analysis of ECE Program effectiveness.
- **Interactions:**
  - Automation of data collection from certain applications and systems external to ADE (i.e. Bureau of Indian Education, Department of Economic Security, etc).
  - Provide the collected pre-school data from Teaching Strategies GOLD as appropriate to external applications and agencies via a web portal.
  - Integration with ADE Internal Applications



# Original Approval

**Project Start Date: 02/17/2015**

**Original Project End Date: 12/13/2018**

**In August 2018, ASET approved Change Request for project End Date: 08/31/2019**

**Projected End Date: 12/31/2019**



# Change Order Request

## Why do we need a Change Order?

- AZDash was unsustainable and labor intensive for year end roll over; **Resolved**
- ESSA mandate to publicly publish school report cards; **Resolved**
- Leadership changes caused delay in review/approval processes; **Resolved**
- Data Discrepancy Issues arose April 2019; **Resolved June 2019**
  - Data streams between Exceptional Student Services (ESS) and Early Childhood Education (ECE) didn't match requiring research & additional development time
- Move to old SLDS ODS data to ODS in Azure environment; **Ongoing Resolution**
  - To secure the data, it needs to move from old SLDS ODS to ODS in Azure
  - ODS experienced development delays to move data to AZURE

**Collectively, these issues stalled development for a period of 3 - 4 months**



# ECE-PDG Updated Solution

- **Solution** aligns with Cloud First Policies which significantly decreased cost of on-premise hardware.
- **Solution** is aligned with a single source of truth for reporting preschool metrics across multiple program areas servicing the public.
- **Integration** of Preschool and K-12 reporting to a single platform called School Report Card, which creates a single location for SEAs, LEAs and public to obtain information mandated by ESSA.



# Remaining Project Development...

- Report Milestones M-1394, 1397, and 1399
- Migration of data from SLDS ODS to ODS/Azure environment by late October, 2019
  - Development and migration subject to ODS schedule and backlog
- UAT by the Program area until late December, 2019
  - One month UAT post development
- Review of the federal grant requirements to ensure all items are addressed



# The Project Silver Lining

- Delays and presented challenges in development caused a significant decrease in expenses
  - Met ESSA mandate to publish school report cards
  - **Single source of truth to public**
  - Cloud based solution
- Additional project time allocation enables us to better secure data in the Cloud (Azure) and create a single portal of school report card information to the public
- All changes have been accommodated with original budget



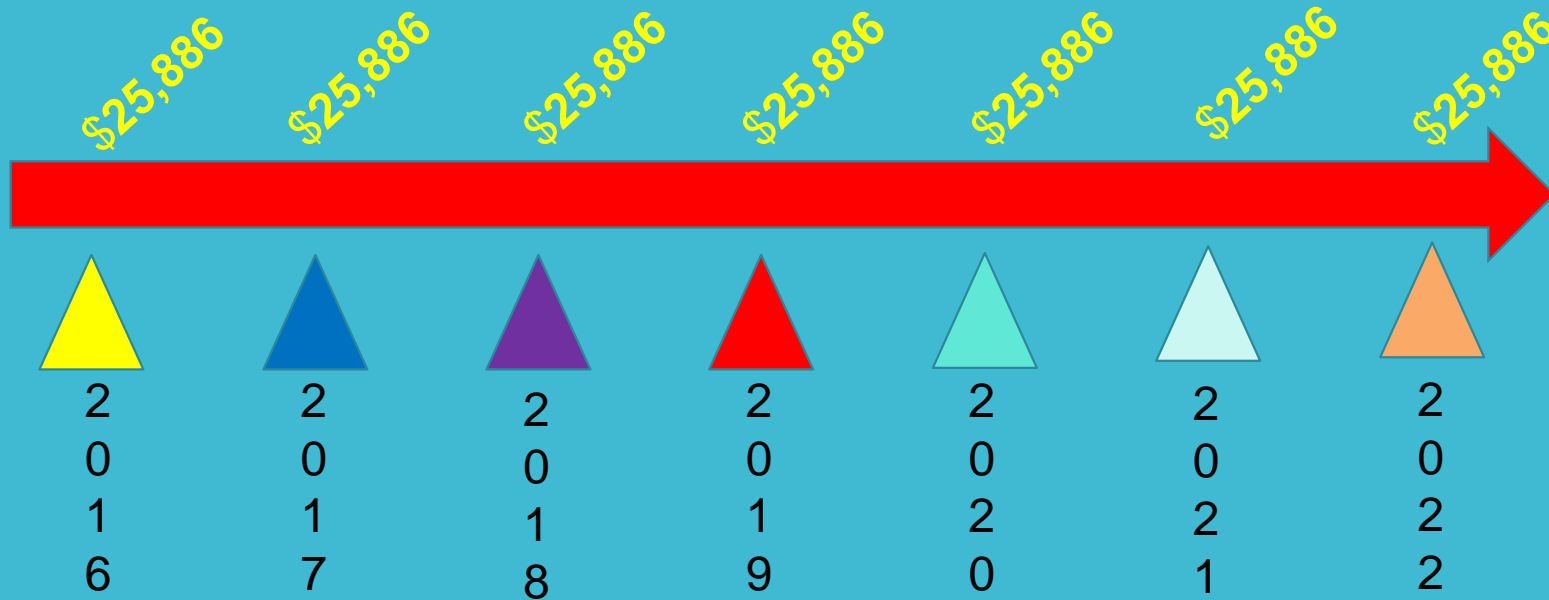
# Projected Detailed Milestone Timeline



	Q1			Q2			Q3			Q4		
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Carry-Over PDG Reports	<ul style="list-style-type: none"> <li>➤ Teaching Strategy Gold Report: School, District and State Report Card</li> <li>▪ Indicator 6 Report: District and State Report card</li> <li>▪ Indicator 7 Report: State Level Report card</li> </ul>											
	<p><b>Four remaining milestones due to be completed by December 31, 2019</b></p>											
	<p>Spring Gold File Data Load</p>											
Support & Maintenance	<ul style="list-style-type: none"> <li>➤ Support</li> </ul>											

# Project Operational Costs 2016 – 2022

**Total Cost: \$181,204**



Operational Cost did not exist in PIJ and have been added.

# Request Wrap Up...

Approve 12/31/2019 end date to complete project



# Questions...

## Thank you





## *Our Vision*

*Children thrive in family environments free from abuse and neglect.*

## *Our Mission*

*Successfully engage children and families to ensure safety, strengthen families, and achieve permanency.*

## GUARDIAN

(CHILDS Replacement Program)

State of Arizona – Department of Child Safety

August 21, 2019

Status Through: July 31, 2019



## Agenda

- Program Summary and Snapshot
- Program Roadmap
- Individual Work Stream Updates
  - Workstream 1: Intake/Hotline and Assessment
  - Workstream 2: Case Management
  - Workstream 3: Eligibility and Permanency
  - Workstream 4: Financials and Providers
  - Workstream 5: Data Warehouse and Exchanges
  - Support
- Current Development Estimate at Complete by Fiscal Year
- Current Financial Position



# Program Snapshot



## Program Health

Overall



### Current focus of the program:

- Increase the velocity of Solution Modeling + Design (Stage 50) in preparation for development
- Iteration 7-8 Testing (Stage 74)
- Iteration 9 Build (Stage 53)
- Iteration 10 Solution Modeling + Design (Stage 50)
- Iteration 11 Business Analysis review (Stage 20)
- Updates to Guardian Enterprise Architecture regarding OnBase and DocuSign

### What's next:

- Iteration 9 Testing (Stage 74)
- Iteration 10 Build (Stage 53)
- Iteration 11 Solution Modeling + Design (Stage 50)
- Iteration 12 & 13 Business Analysis review (Stage 20)

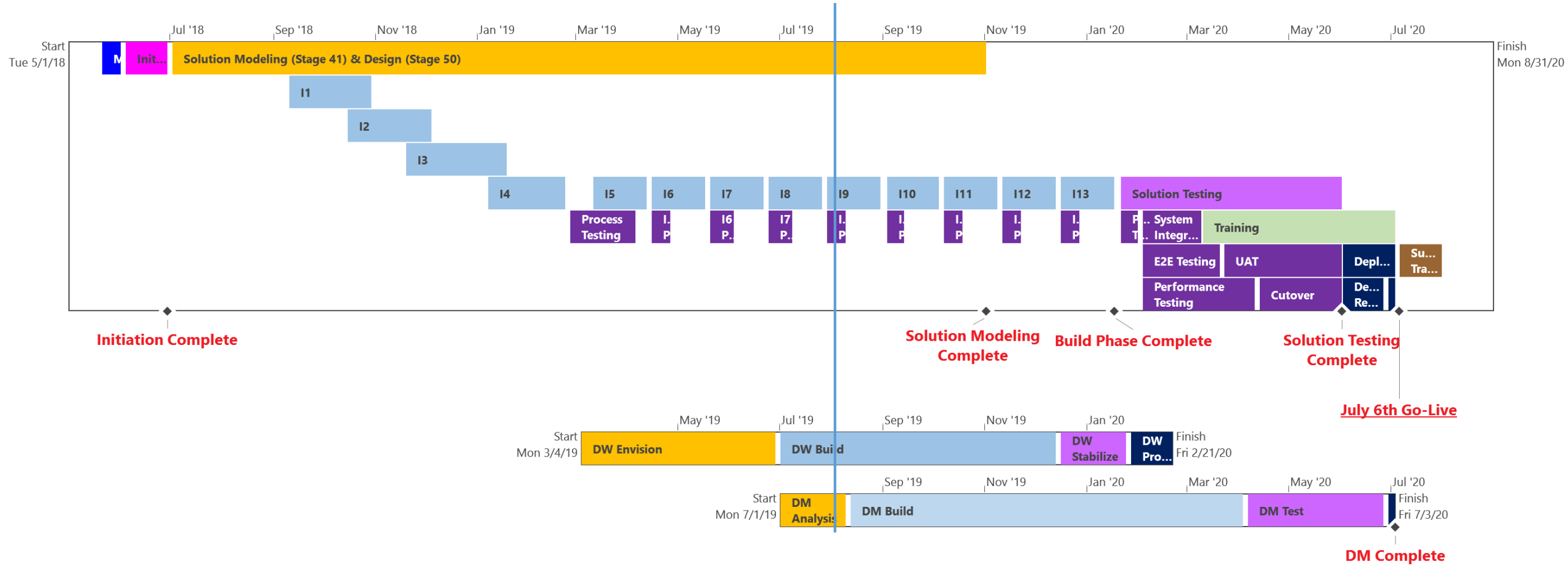
### What are we concerned about:

- Increase Velocity for stage 50 (Development Ready) requirements
- Resourcing
- Interfaces and Exchanges

# Program Roadmap



Date As of 8/02

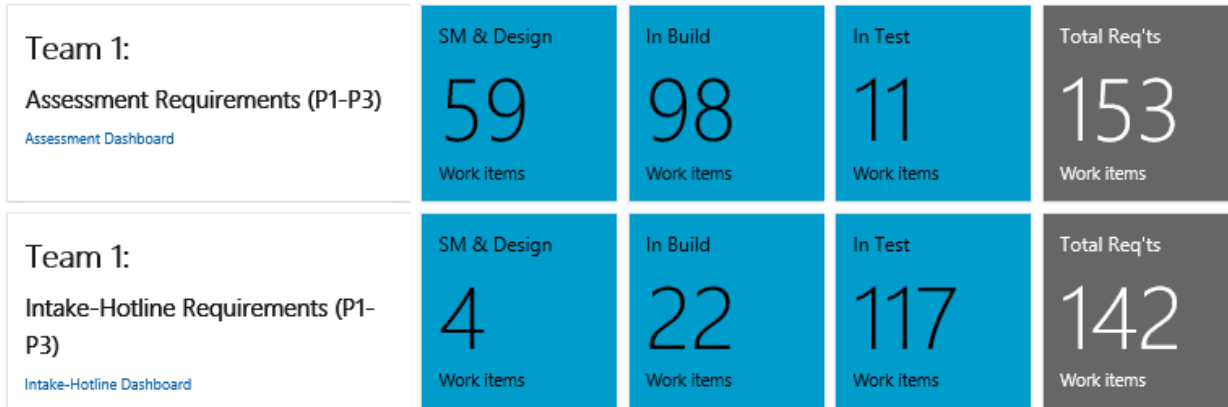


# Program Summary of Business Requirements by Component



Component	Total Number of Requirements	Total number of Requirements for Go-Live	% of Build Complete of Go-Live requirements
Intake/Hotline	165	142	96%
Assessment	197	153	66%
Case Management	228	138	39%
Eligibility	207	204	10%
Permanency	174	109	21%
Financials	252	198	14%
Provider Management	374	121	24%
Common	784	590	43%

# Workstream 1: Intake/Hotline and Assessment



## Work Stream Health



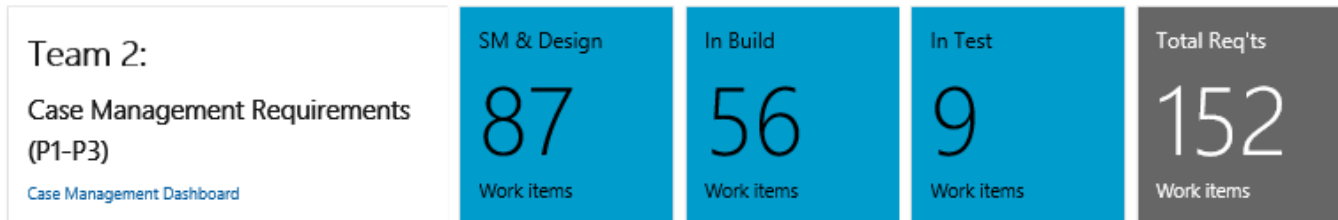
- **Status:**

- 63 requirements are currently in Solution modeling, down 27 from the previous month as 26 requirements moved to Build and the total number of requirements decreased by 1
- There are 120 Requirements currently in Build
- 128 requirements are in process testing

- **Key Issues or Risks**

- Increase the velocity of Solution Modeling to complete requirements

# Workstream 2: Case Management

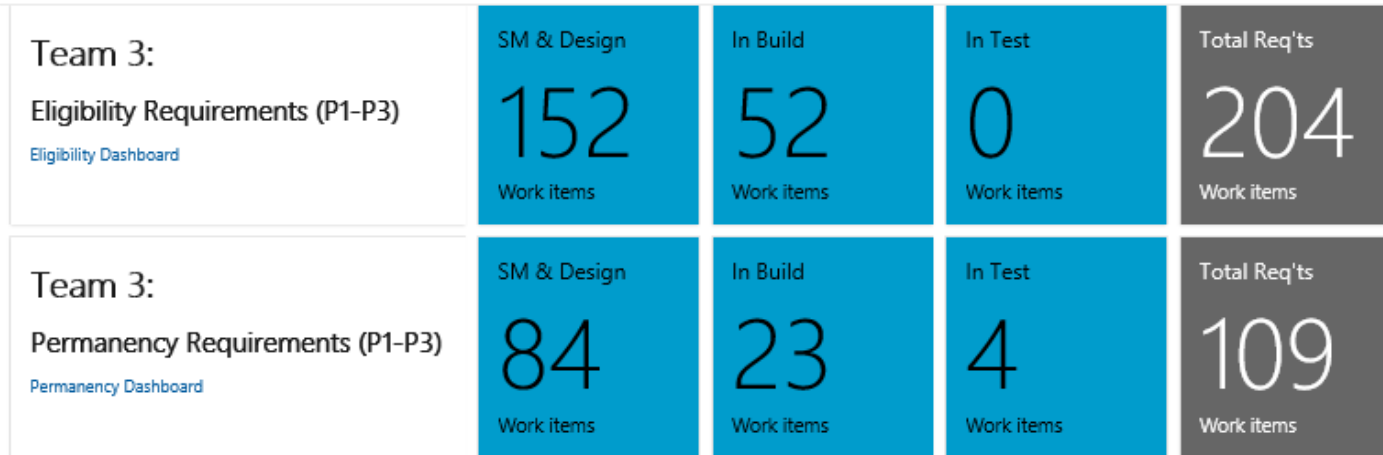


## Work Stream Health



- **Status:**
  - 90 requirements are currently in Solution modeling, down 15 from the previous month as 13 requirements moved to Build and the total number of requirements decreased by 2
  - 53 requirements are currently in Build
  - 9 requirements are in process testing
- **Key Issues or Risks**
  - Increase the velocity of Solution Modeling to complete requirements

# Workstream 3: Eligibility and Permanency



## Work Stream Health



- **Status:**

- 236 requirements are currently in Solution modeling, down 15 from the previous month as 52 requirements moved to Build and the total number of requirements increased by 39
- 75 requirements are currently in Build
- 4 requirements are in process testing

- **Key Issues or Risks**

- Increase the velocity of Solution Modeling to complete requirements

# Workstream 4: Financials and Providers



<b>Team 4:</b> Financials Requirements (P1-P3) <a href="#">Financials Dashboard</a>	<b>Financials Requir...</b> 167 Work items	<b>In Build</b> 32 Work items	<b>In Test</b> 0 Work items	<b>Total Req'ts</b> 198 Work items
<b>Team 4:</b> Provider Management Requirements (P1-P3) <a href="#">Provider Management Dashboard</a>	<b>SM &amp; Design</b> 90 Work items	<b>In Build</b> 34 Work items	<b>In Test</b> 0 Work items	<b>Total Req'ts</b> 121 Work items

## Work Stream Health



- **Status:**

- 258 requirements are currently in Solution modeling, down 31 from the previous month as 31 requirements moved to Build and the total number of requirements remained consistent
- 65 requirements are currently in Build
- 0 requirements are in process testing

- **Key Issues or Risks**

- Increase the velocity of Solution Modeling to complete requirements

# Workstream 5: Data



## Work Stream Health



<p>Team 5: Integrated Share Services/ Exchanges Requirements (P1-P3) <a href="#">Exchanges Dashboard</a></p>	<p>SM &amp; Design <b>46</b> Work items</p>	<p>In Build <b>1</b> Work items</p>	<p>In Test <b>0</b> Work items</p>	<p>Total Req'ts <b>47</b> Work items</p>
<p>Team 5: Data Warehouse Requirements (P1-P3) <a href="#">Data Warehouse Dashboard</a></p>	<p>SM &amp; Design <b>0</b> Work items</p>	<p>In Build <b>0</b> Work items</p>	<p>In Test <b>0</b> Work items</p>	<p>Total Req'ts <b>0</b> Work items</p>
<p>Team 5: Data Migration Requirements (P1-P3) <a href="#">Data Migration Dashboard</a></p>	<p>SM &amp; Design <b>176</b> Work items</p>	<p>In Build <b>15</b> Work items</p>	<p>In Test <b>0</b> Work items</p>	<p>Total Req'ts <b>191</b> Work items</p>
<p>Team 5: Reports Requirements (P1-P3) <a href="#">Reports Dashboard</a></p>	<p>SM &amp; Design <b>176</b> Work items</p>	<p>In Build <b>0</b> Work items</p>	<p>In Test <b>0</b> Work items</p>	<p>Total Req'ts <b>176</b> Work items</p>

- **Status:**
  - 398 requirements are currently in Solution modeling, up 162 from the previous Month
  - Increase in requirements due to Reports requirements scoped
  - Data Warehouse requirements still being scoped
- **Key Issues or Risks**
  - Increase the velocity of Solution Modeling to complete requirements
  - 3<sup>rd</sup> Party and Agency timelines meeting Program's timeline



- Status:
  - Prepared the annual APD for ACF
  - OCM – Completed User Persona Workshops
  - OCM – Recorded intake demos
  - OCM – Prepared for field office visits
  - Training – Completed documentation for CRM platform training
  - Training – Began CRM training

# Current Development Estimate at Complete by Fiscal Year



Total Program Estimate at Complete	SFY15	SFY16	SFY17 (Actuals)	SFY18 (Actuals)	SFY19 (Act + Fcst)	SFY20 (Forecast)	SFY21 (Forecast)	EAC (Estimate at Complete)
Planning and Procurement Cycles	\$ 236,627	\$ 314,593	\$ 599,942	\$ -	\$ -	\$ -	\$ -	\$ 1,151,163
Feasibility Study		\$ 616,998	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 616,998
Data Management Assessment			\$ 625,307	\$ -	\$ -	\$ -	\$ -	\$ 625,307
Program Management			\$ 1,185,035	\$ 2,799,270	\$ 876,741	\$ 772,358	\$ 151,023	\$ 5,784,426
Business Integration			\$ 1,070,367	\$ 2,450,314	\$ 1,948,942	\$ 4,324,821	\$ 581,066	\$ 10,375,510
Mobile Solution			\$ 1,433,114	\$ 1,611,003	\$ -	\$ -	\$ 312,927	\$ 3,357,044
IV&V			\$ 107,460	\$ 187,200	\$ 195,400	\$ 228,000	\$ 120,000	\$ 838,060
Quality Management			\$ 26,078	\$ 1,419,651	\$ 247,205	\$ 1,161,976	\$ 907,001	\$ 3,761,911
Platform			\$ 2,147,482	\$ 1,218,300	\$ 4,158	\$ 860,842	\$ -	\$ 4,230,783
Hosting			\$ 7,973	\$ 1,200,145	\$ -	\$ -	\$ -	\$ 1,208,119
Enterprise Content Management			\$ -	\$ 187,983	\$ 489,446	\$ 5,006,181	\$ 819,703	\$ 6,503,314
Integrated Shared Services			\$ -	\$ -	\$ 82,347	\$ 928,080	\$ 630,640	\$ 1,641,067
Data Management			\$ -	\$ -	\$ 571,928	\$ 2,186,557	\$ 873,628	\$ 3,632,113
Technical Integration			\$ 6,035	\$ 2,382,391	\$ 12,887,429	\$ 16,320,605	\$ 8,118,019	\$ 39,714,480
Training			\$ -	\$ -	\$ 244,610	\$ 1,085,856	\$ 1,068,450	\$ 2,398,916
Service Management Office			\$ -	\$ -	\$ 221,214	\$ 27,652	\$ -	\$ 248,866
CHILDS Decommissioning			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>	<b>\$ 236,627</b>	<b>\$ 931,591</b>	<b>\$ 7,208,794</b>	<b>\$ 13,456,258</b>	<b>\$ 17,769,420</b>	<b>\$ 32,902,928</b>	<b>\$ 13,582,457</b>	<b>\$ 86,088,076</b>
<b>Program Approved Budget</b>								<b>\$ 86,088,076</b>
<b>(Over)/Under</b>								<b>\$ -</b>

- At month end of July, the program estimate at complete was still within the program approved budget

# Current Financial Position



State Funding			
APF			
	Appropriated	Favorably Reviewed	DOA Transferred
Total FY15 Appropriated	\$ 5,000,000	\$ 5,000,000	\$ 5,000,000
Total FY17 Appropriated	\$ 4,581,600	\$ 4,581,600	\$ 4,581,600
Total FY18 Appropriated	\$ 11,103,000	\$ 11,103,000	\$ 11,103,000
Total FY19 Appropriated	\$ 5,000,000	\$ 5,000,000	\$ -
Total FY20 Appropriated	\$ 10,100,000	\$ -	\$ -
<b>Total APF</b>	<b>\$ 35,784,600</b>	<b>\$ 25,684,600</b>	<b>\$ 20,684,600</b>

General Fund	
Fiscal Year	Planned
FY15	\$ 236,627
FY16	\$ 499,761
Total General Fund	\$ 736,388
<b>Total of All State Funding</b>	<b>\$ 21,420,988</b>

Federal Funding			
	Appropriated	Approved to Spend	Available to spend
Federal Title IV - E Match available (50/50)	\$ 23,373,243	\$ 23,373,243	\$ 23,373,243

Actuals			
APF/GF Spent		Federal Spent	
CH15002 (Planning and Procurement)	\$ 851,192	CH15002 (Planning and Procurement)	\$ 299,971
CH15004 (Feasibility Study)	\$ 401,083	CH15004 (Feasibility Study)	\$ 215,915
CH17002 (Guardian)	\$ 20,230,129	CH17002 (Guardian)	\$ 20,230,137
<b>Total APF/GF Spent</b>	<b>\$ 21,482,403</b>	<b>Total Federal Funds Spent</b>	<b>\$ 20,746,023</b>

Total Fund Remaining	
Total Funds Available to Spend	\$ 44,794,231
Total Funds Spent	\$ 42,228,426
<b>Total Funds Remaining</b>	<b>\$ 2,565,805</b>

- Per DCS JLBC Legislative Liaison, the remaining \$97k from the feasibility study (CH15004), does not require favorable review to spend on the rest of the Guardian Program
- \$29 APF balance remaining from the Planning and Procurement project (CH15002)
- Current Actuals derived from all costs paid through 7/31/19

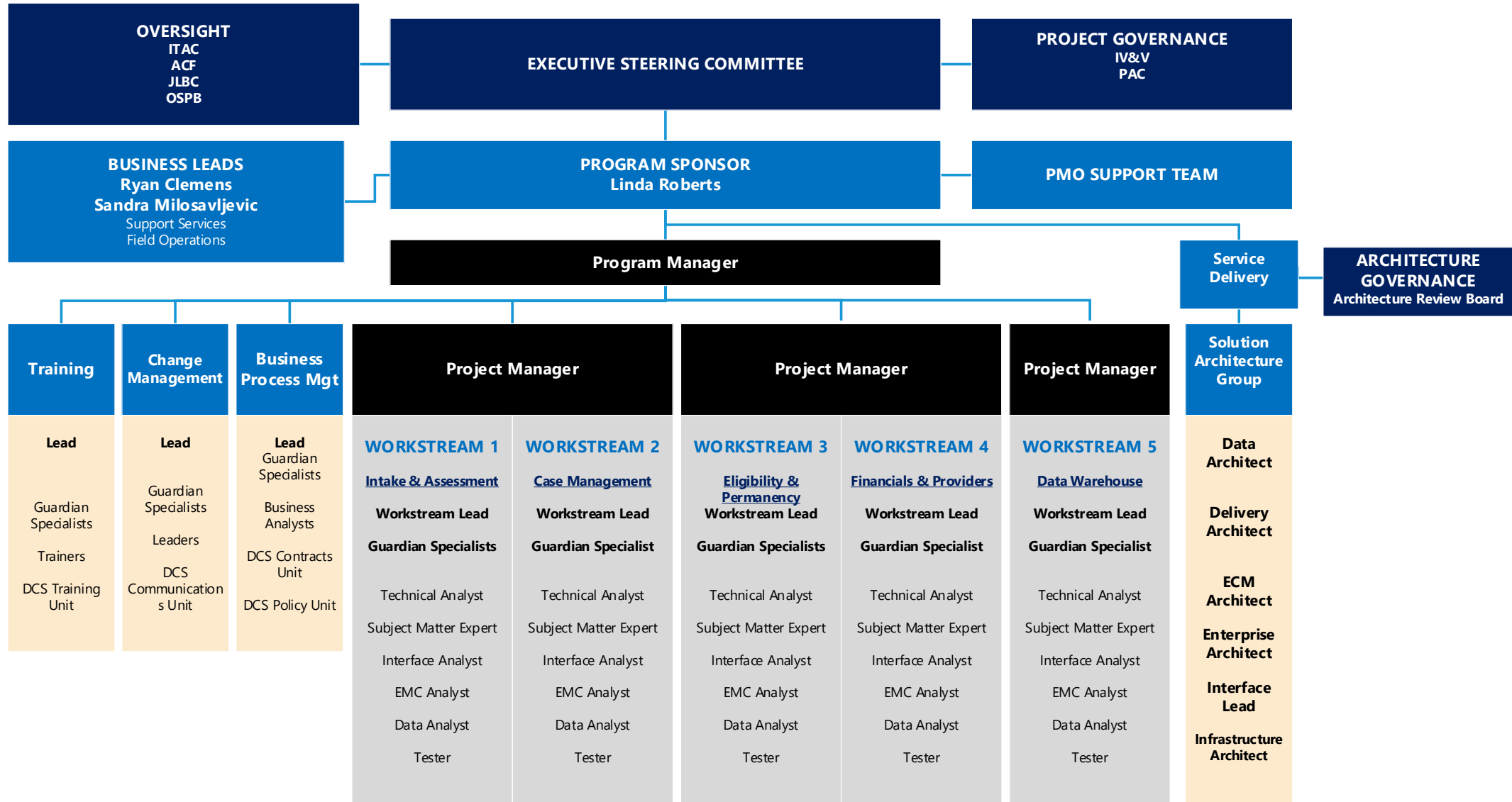
Financial Health:

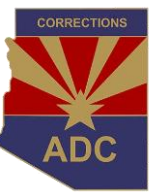
- The current financial position for the program is green. The program is funded through FY19



# Q & A Session

# Program Structure





# **Steering Committee**

**AZ Department of Corrections  
AIMS2 Program 2019**

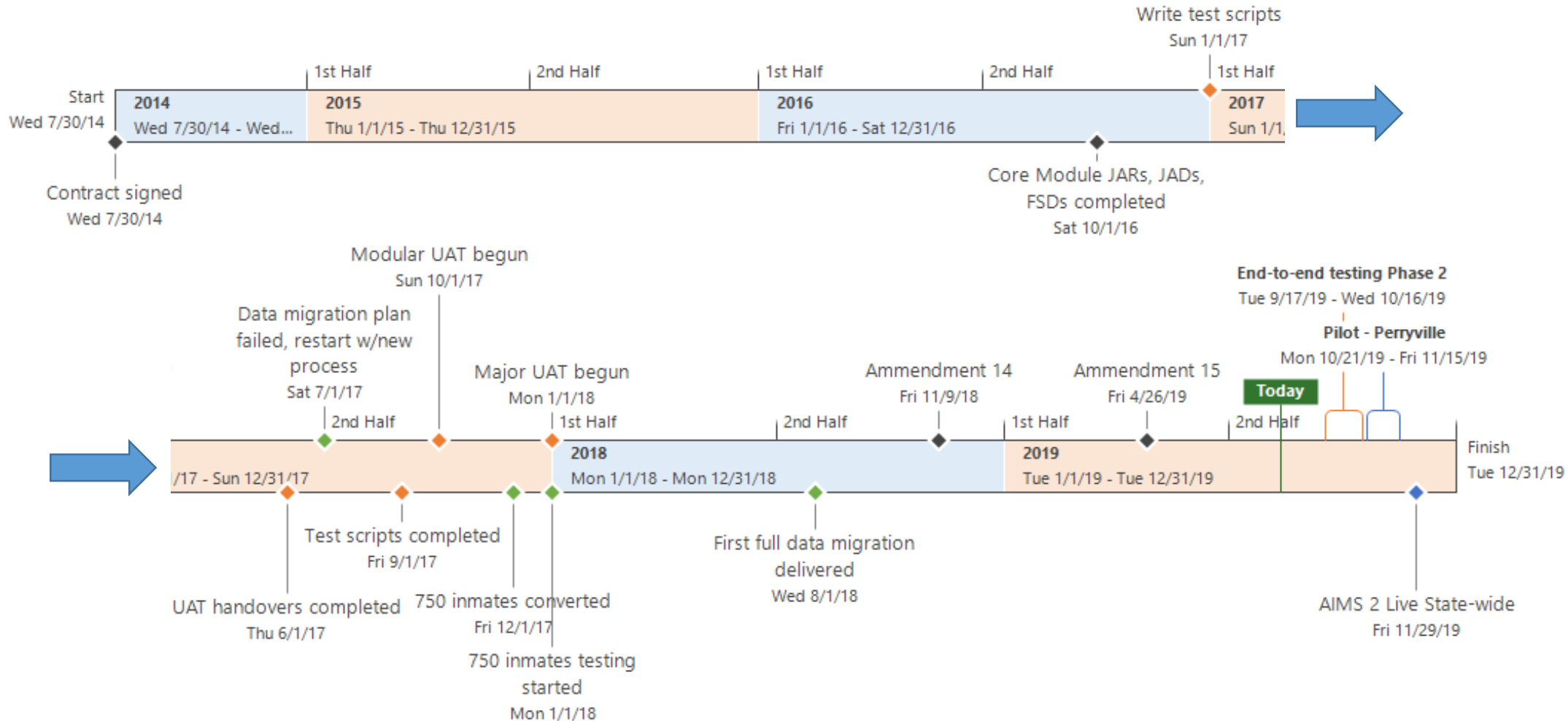
# Agenda

- Program overview
  - Full AIMS2 timeline overview
  - Snapshot - current focus
  - Trajectory
  - Phase 2 factors
  - Concerns and countermeasures
  - Schedule highlights
  - Progress against remaining work
- Work streams
  1. User Acceptance Testing
  2. Report development and acceptance
  3. Change requests
- Financials
- Q&A

# Program overview

1. Arizona Inmate Management System Replacement (AIMS2) is an **all-encompassing offender management system** that replaces a 1986 mainframe program. The new AIMS2 is a modern, relational database, customized-for-ADC system.
2. Originally awarded as a fixed-fee proposal from B&D in 2014, the program's **duration and cost have significantly increased** as the understood gap between state requirements and off-the-shelf system capabilities has grown.
3. The **system scope is large**, covering all aspects of inmate management: including sentence calculation and 39 other aspects of inmate management (defined as “modules”). The system includes 30 interfaces, 149 reports, and data migration of over 300,000 inmate records.

# Full AIMS2 Timeline Overview

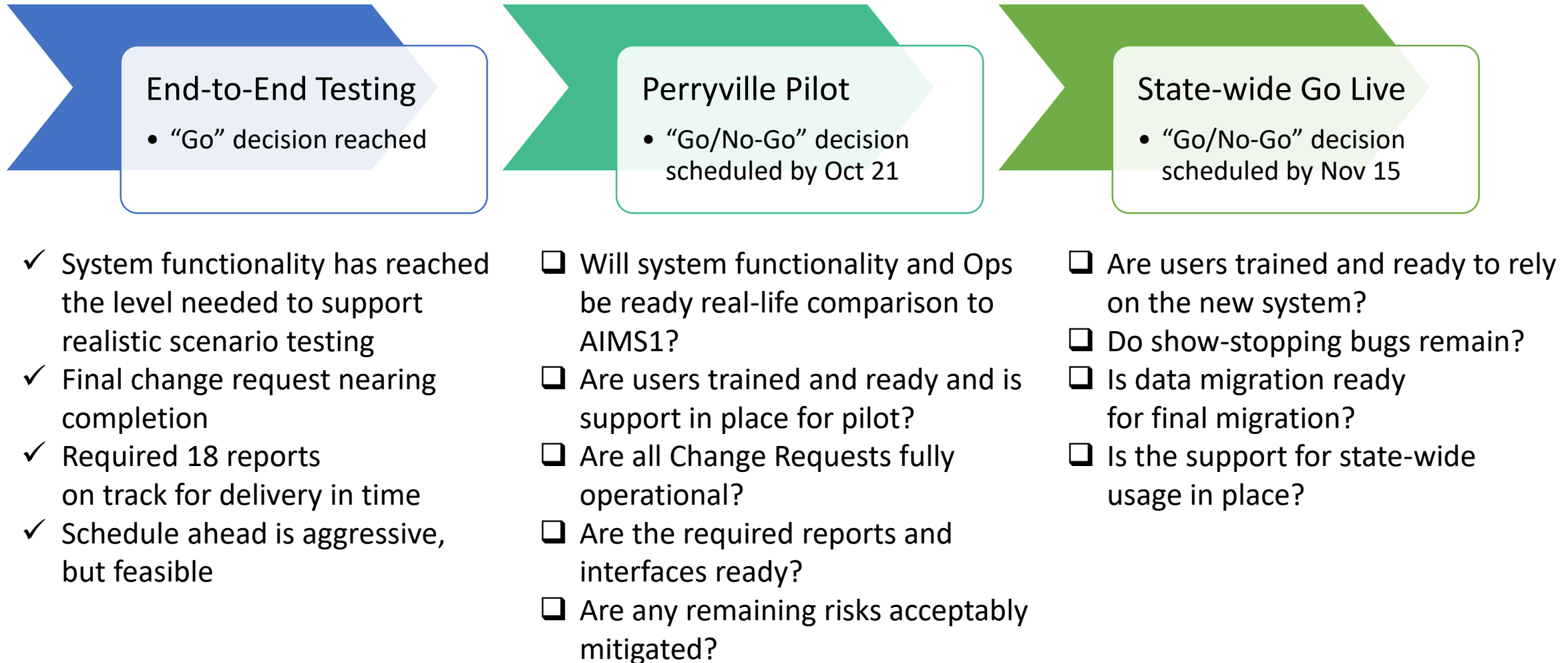


# Program Snapshot

## Current Focus

- Development nearing full completion
  - 60 reports, a sentence calculation change request, and final system interface being completed
- Prepare for training and end-to-end testing
- Systematically complete testing of interfaces and delivered reports; close remaining (79) high bugs

# Project Trajectory



# Factors to Consider Regarding Phase 2

## Phase 2 Criteria

Zero critical or high severity bugs

85% of module scripts passing

## Realistic E2E Criteria

Zero critical bugs, evaluate each high bug

Modules with <85% scripts passing, re-evaluate

## Reason for Change

Not all high bugs prevent E2E testing

Retesting all scripts yields diminishing value

# Concerns & Countermeasures

## Uncertainty about closing remaining bugs

Continue Root Cause Analysis sessions

Bug retesting will continue up to Go Live date

May need to be prepared for high bugs to not be at zero

## Sentence calculation not ready

CR 75 will make a big difference in September

Ready to test and remediate CR 75 upon receipt

Agreed on solution for problematic sentences

## Reports delivery behind schedule

Prioritize reports starting with 18 required for E2E testing

Fully test promptly on delivery

Improved pipeline and handoff strategy

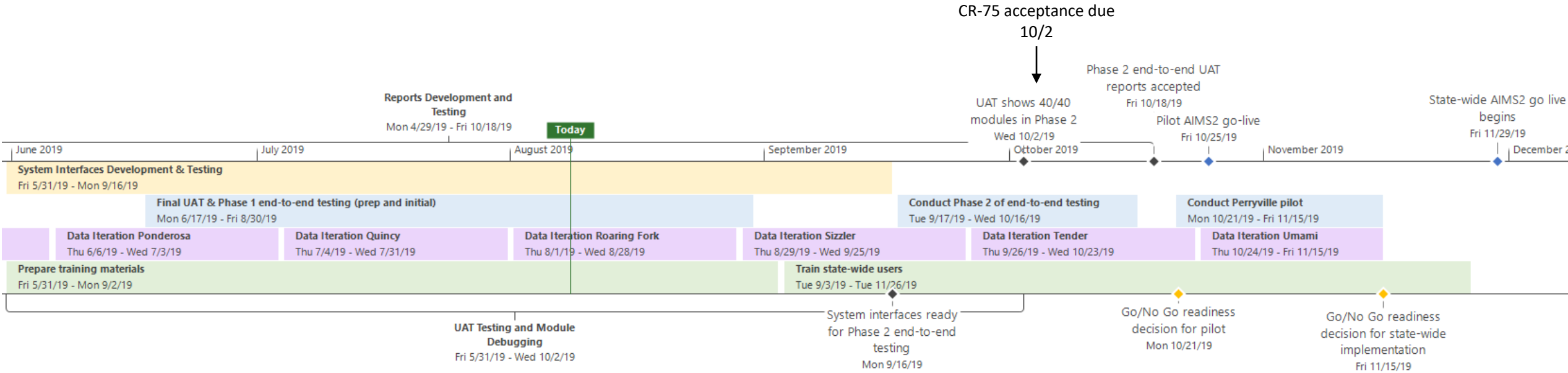
## Training is behind schedule

12 prioritized computer-based-training courses in development

Peer reviews of training courses before delivery

Rigorous training logistics planning

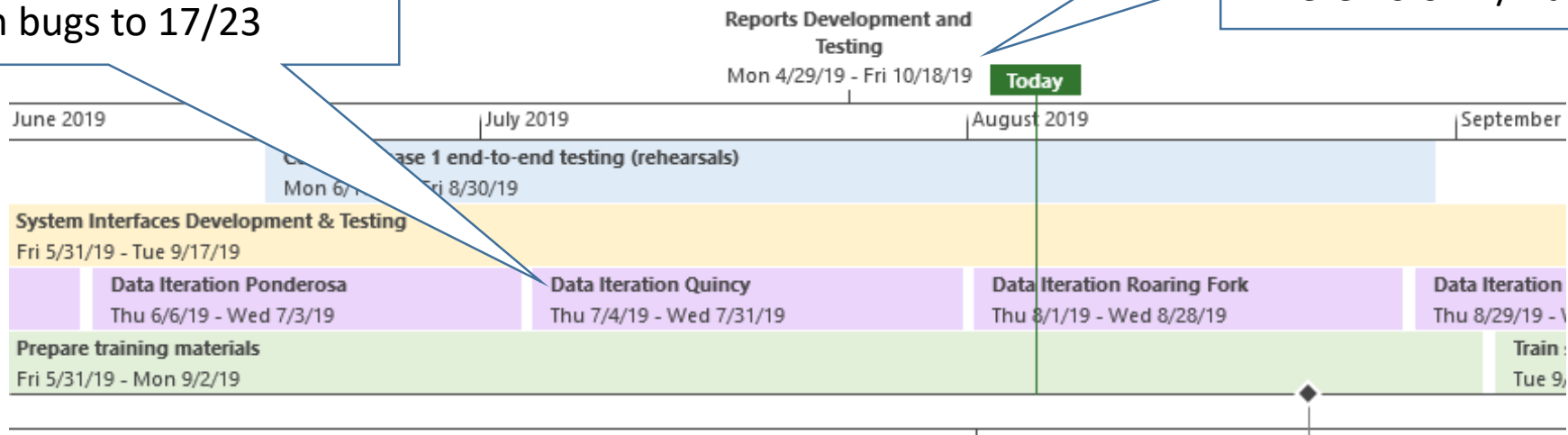
# Schedule Highlights



# Current progress against remaining work

**Data Migration**  
 Since 7/1, moved from 26/54 unresolved/total high-severity data migration bugs to 17/23

**Reports**  
 As of 8/16, 19% of reports passed UAT, 50% is the scheduled target.  
 Reports received were 40 on 7/1 and 89 on 8/16



**High Severity Bugs**  
 Change in system/DM high severity bugs:  
 7/1: B&D 24/36, ADC 49/15  
 8/16: B&D 15/18, ADC 39/5


**Modules in Phase 2**  
 23 modules in Phase 2 as of 7/5; 27 in Phase 2 as of 8/16; 35 have passed previously, 5 have not


UAT Testing and Module Debugging  
 Fri 5/31/19 - Wed 10/2/19  
 50% of reports accepted Thu 8/22/19

# Work Stream 1: User Acceptance Testing



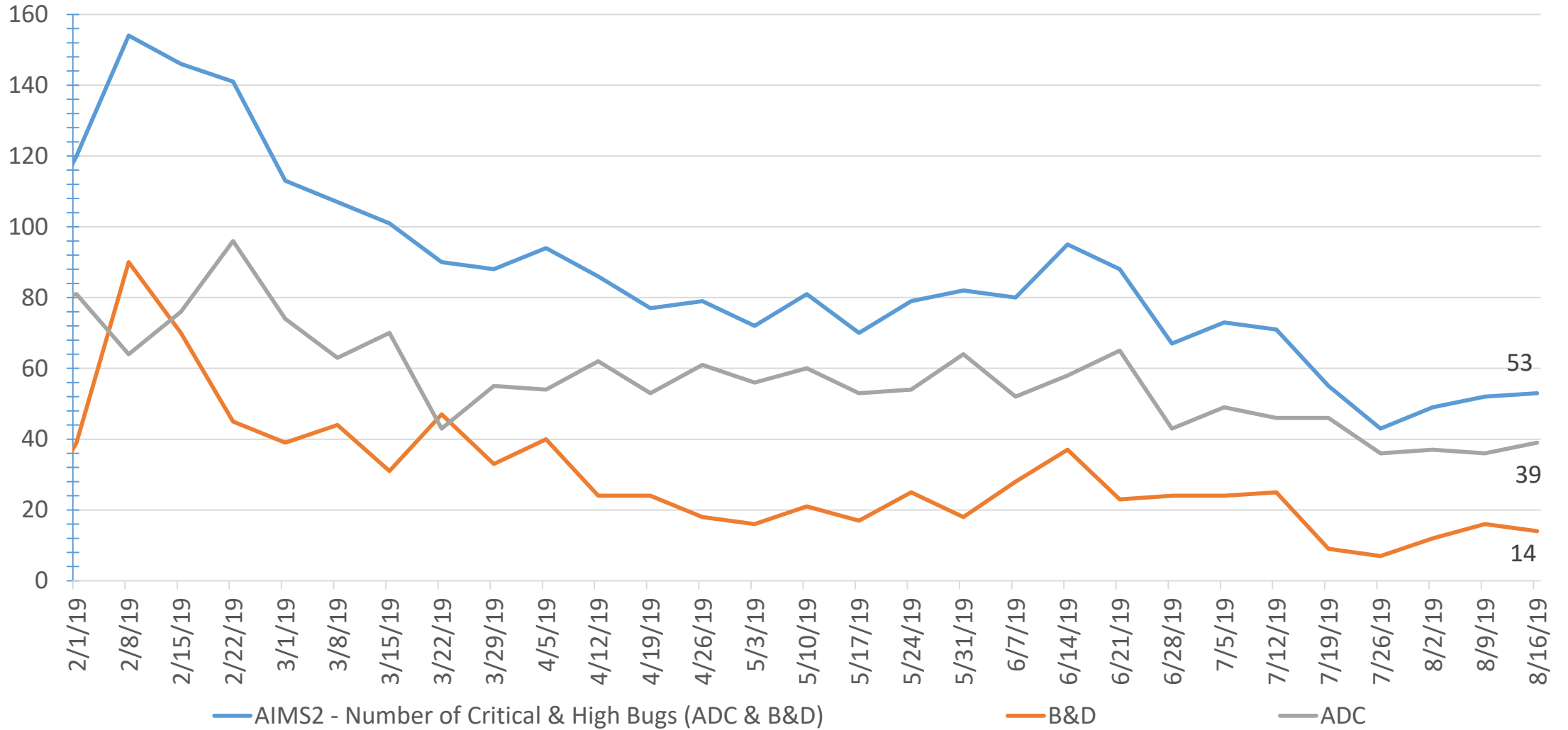
  
Phase 2

  
Was Phase 2;  
high bug(s)  
found since

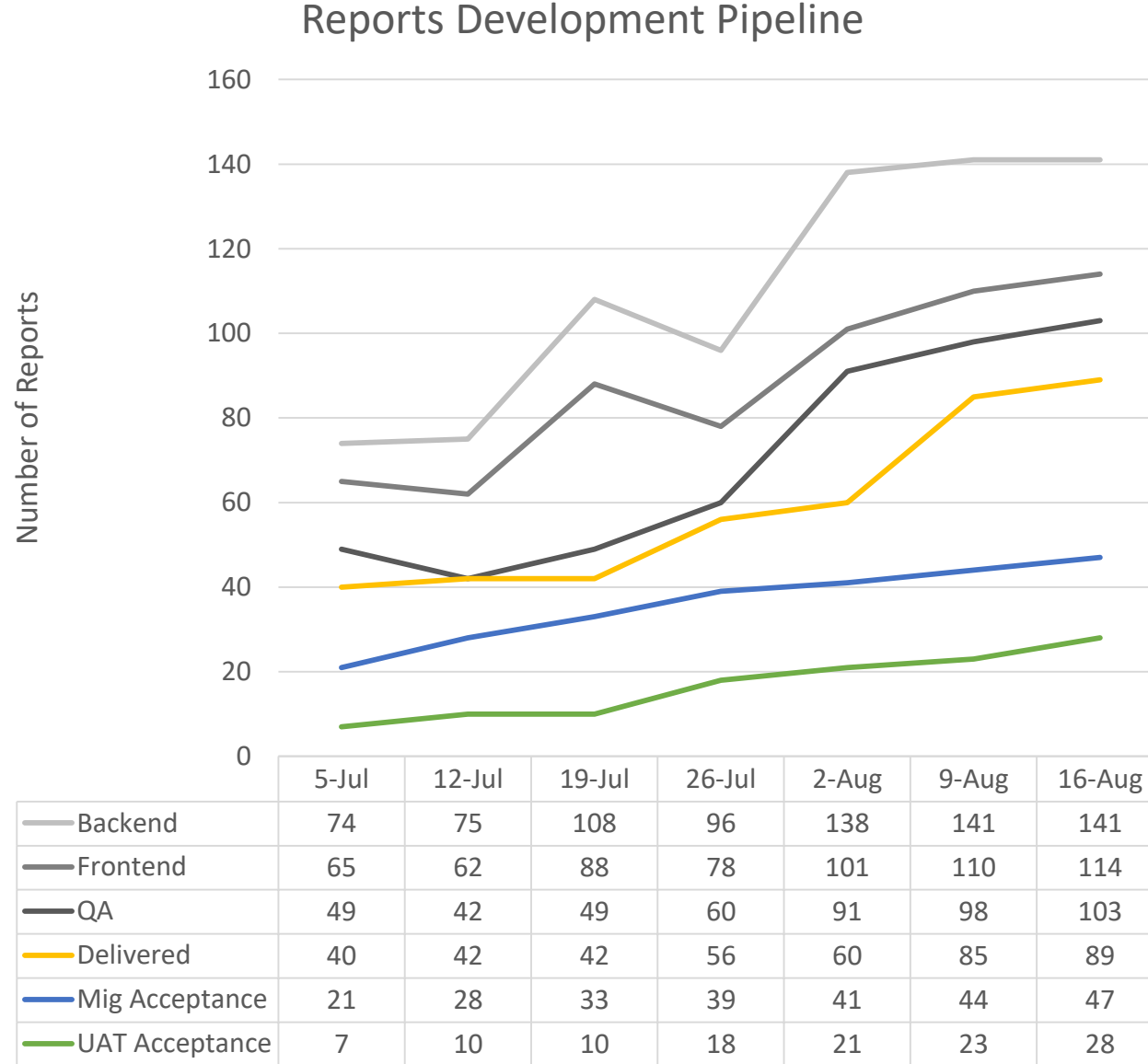
  
Not yet Phase 2  
% of scripts passing

ACI	Assessments	Banner	BOEC	Case Manager Assignment	Case Notes	Cell screening	Classification 99%
Count	Detainers 82%	Detention	DI57GV score	DIM	Discipline 98% Needs CR-75 (10/2)	Do not house with	EIP
Events	FITS	Grievance	Intake	Integrated Housing	Movement holds	Offender management	Prison admin
Programs 84%	Programs CTS	Programs EDU	Property	Protective custody	Release management	Religious	Scheduling
Sentence Calc 92% Needs CR-75 (10/2)	Staff ID	STG	Transportation	Victim services	Visitation	Warrants	Work Levels

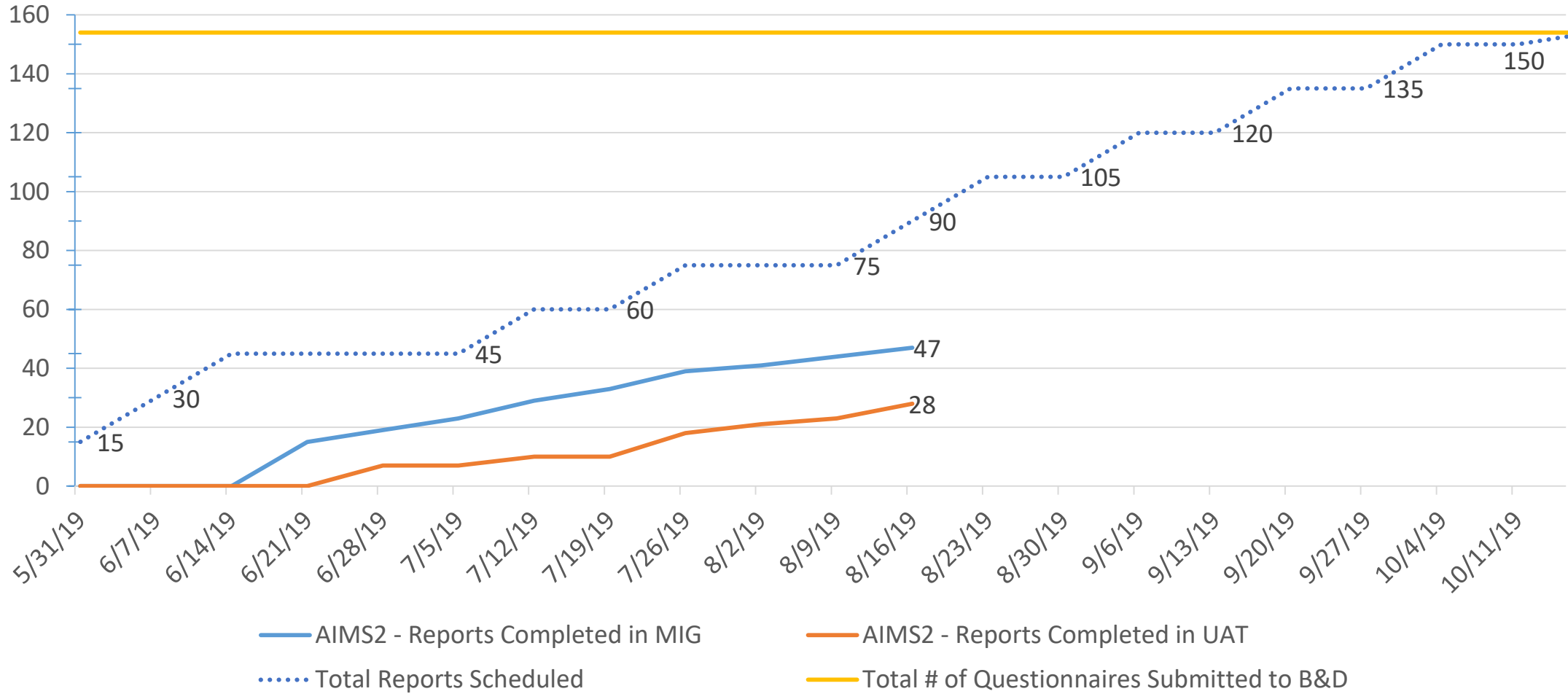
# AIMS2 - # of Critical & High Bugs (All)



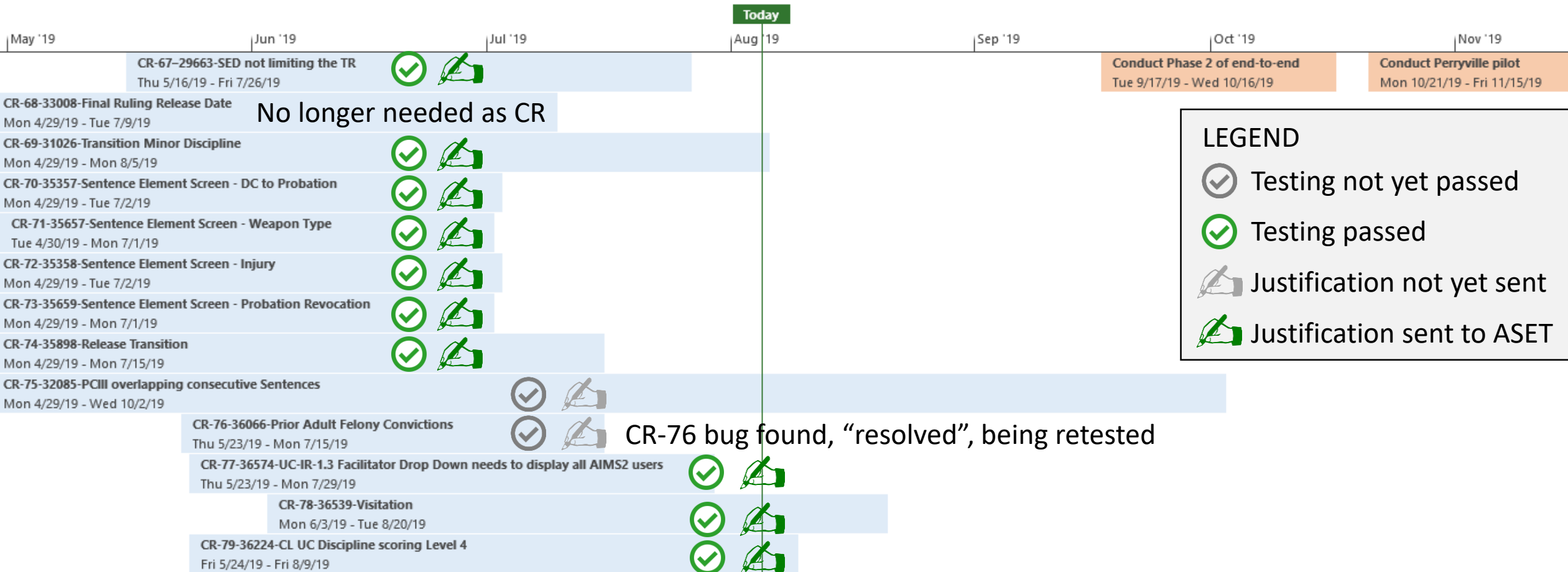
# Work Stream 2: Report development & acceptance



# AIMS2 - Reports Completed



# Work stream 3: Change requests



# Key Wins Since July 1

## Advanced to Phase 2

- Assessments
- DI-57
- Property
- Protective Custody

Nine change requests  
accepted

Google Meets  
deployed to ADC team,  
including testers

Successful resolution  
of two critical bugs  
each within five days of  
discovery

Training processes  
mobilized, classes  
starting

Improved management  
of risks, actions, issues,  
decisions, and  
successes

Went from 40 reports  
received, 7 accepted to  
89 reports received, 27  
accepted



# Financials: Budget Allocation Detail 2019-06-30

	FY 2015 Expended	FY 2016 Expended	FY 2017 Expended	FY 2018 Expended	FY 2019 Expended	FY 2020 Estimate	Total
<b>Systems Integrator Costs</b>							
Business & Decision	\$4,407,382	\$2,481,785	\$3,456,740	\$624,761	\$0	\$2,225,239	\$13,195,908
Change Requests	\$0	\$0	\$70,980	\$463,847	\$1,056,374	\$1,948,974	\$3,540,175
Bond	\$273,189	\$273,189	\$273,189	\$297,189	\$268,505	\$134,300	\$1,519,561
FY 15 to FY 17 Database License/Hosting & Sales Tax	\$1,330,307	\$495,840	\$495,840	\$467,844	\$0	\$0	\$2,789,830
FY 18 & FY 19 & FY 20 Database License/Hosting	\$0	\$0	\$0	\$0	\$0	\$935,688	\$935,688
Maintenance/Ongoing Support	\$0	\$0	\$0	\$0	\$500,000	\$0	\$500,000
<b>Total Systems Integrator Costs</b>	<b>\$6,010,879</b>	<b>\$3,250,813</b>	<b>\$4,296,749</b>	<b>\$1,853,641</b>	<b>\$1,824,879</b>	<b>\$5,244,201</b>	<b>\$22,481,162</b>
<b>Other Contractor Costs</b>							
PCG	\$99,570	\$248,925	\$199,140	\$199,140	\$105,450	\$105,450	\$957,675
<b>Total Other Contractor Costs</b>	<b>\$99,570</b>	<b>\$248,925</b>	<b>\$199,140</b>	<b>\$199,140</b>	<b>\$105,450</b>	<b>\$105,450</b>	<b>\$957,675</b>
<b>Automation with Partners</b>							
IBM Messaging Queue (MQ) - Professional Services	\$0	\$11,243	\$28,323	\$420	\$0	\$0	\$39,986
IBM Messaging Queue (MQ) - Annual Maintenance Agreement	\$42,504	\$11,251	\$0	\$11,032	\$0	\$24,000	\$88,787
IBM WebSphere License	\$121,018	\$0	\$0	\$0	\$0	\$0	\$121,018
SPAN Publishing - Law Database	\$0	\$0	\$2,500	\$2,500	\$0	\$5,500	\$10,500
RiskSense - Final Penetration Test	\$0	\$0	\$14,500	\$0	\$0	\$14,500	\$29,000
JWI Interface Customization	\$0	\$0	\$0	\$0	\$0	\$48,500	\$48,500
<b>Total Automation with Partners</b>	<b>\$163,522</b>	<b>\$22,493</b>	<b>\$45,323</b>	<b>\$13,952</b>	<b>\$0</b>	<b>\$92,500</b>	<b>\$337,791</b>
<b>Dedicated Staff And Training</b>							
Training - Travel Expenditures	\$0	\$0	\$47,401	\$89,959	\$86,951	\$30,000	\$254,310
Subtotal Training Costs	\$0	\$0	\$47,401	\$89,959	\$86,951	\$30,000	\$254,310
<b>State Employees</b>							
Core Project Team	\$78,205	\$450,433	\$497,764	\$560,079	\$428,624	\$192,100	\$2,207,205
Adjunct Project Team (SME's)	\$0	\$0	\$0	\$244,761	\$221,640	\$200,100	\$666,501
Subtotal State Employees	\$78,205	\$450,433	\$497,764	\$804,840	\$650,265	\$392,200	\$2,873,707
<b>Contractors</b>							
B&D - Business Analyst	\$0	\$97,860	\$36,575	\$0	\$0	\$0	\$134,435
B&D - Data Architect/Application Integration Specialist	\$0	\$177,900	\$189,660	\$19,000	\$0	\$0	\$386,560
B&D - Business Analyst - testing interns	\$0	\$0	\$21,088	\$80,353	\$0	\$0	\$101,441
Know Svcs/Guidesoft - test script writers, testers, test admin	\$0	\$0	\$336,771	\$557,452	\$456,798	\$288,000	\$1,639,021
Kforce	\$10,758	\$14,600	\$0	\$0	\$0	\$0	\$25,358
Subtotal Contractors	\$10,758	\$290,360	\$584,094	\$656,805	\$456,798	\$288,000	\$2,286,815
<b>Total Dedicated Staff And Training</b>	<b>\$88,963</b>	<b>\$740,793</b>	<b>\$1,129,259</b>	<b>\$1,551,604</b>	<b>\$1,194,013</b>	<b>\$710,200</b>	<b>\$5,414,832</b>

	FY 2015 Expended	FY 2016 Expended	FY 2017 Expended	FY 2018 Expended	FY 2019 Expended	FY 2020 Estimate	Total
<b>Equipment (E.G. Pcs, Web Caching)</b>							
Unidentified	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Signature Pads	\$0	\$0	\$88,943	\$0	\$0	\$0	\$88,943
Monitors	\$0	\$0	\$8,547	\$0	\$0	\$0	\$8,547
Snagit License	\$0	\$682	\$0	\$186	\$0	\$400	\$1,268
TelTech - fiber install	\$0	\$1,212	\$0	\$0	\$0	\$0	\$1,212
Iron Mountain	\$8,400	\$1,925	\$2,000	\$2,000	\$2,100	\$5,500	\$21,925
QlikView Server and License	\$31,104	\$11,128	\$0	\$0	\$13,352	\$13,000	\$68,584
BI Reporting Professional Services	\$0	\$105,050	\$0	\$0	\$0	\$0	\$105,050
Cisco Systems 10GB Components	\$0	\$3,096	\$0	\$0	\$0	\$0	\$3,096
F5 Network Server Load	\$0	\$504,284	\$189,893	\$163,946	\$132,921	\$143,000	\$1,134,044
Red Rock Network Infrastructure Upgrades	\$0	\$0	\$4,825	\$0	\$0	\$0	\$4,825
iMACPRO License	\$0	\$0	\$0	\$331	\$0	\$660	\$991
<b>Total Equipment</b>	<b>\$39,504</b>	<b>\$627,377</b>	<b>\$294,209</b>	<b>\$166,463</b>	<b>\$148,373</b>	<b>\$162,560</b>	<b>\$1,438,487</b>
Contingency @ 15%	\$0	\$0	\$0	\$0	\$0	\$247,290	\$247,290
<b>Total Contingency</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$247,290</b>	<b>\$247,290</b>
<b>GRAND TOTAL</b>	<b>\$6,402,438</b>	<b>\$4,890,402</b>	<b>\$5,964,680</b>	<b>\$3,784,800</b>	<b>\$3,272,716</b>	<b>\$6,562,201</b>	<b>\$30,877,237</b>
<b>FUND SOURCE</b>							
General Fund (1000)	\$0	\$0	\$0	\$876,551	\$3,326,718	\$673,968	\$4,877,237
IGA/ISA Fund (2500)	\$6,402,438	\$4,890,402	\$5,964,680	\$2,908,249	(\$54,002)	\$3,888,233	\$24,000,000
Inmate Store Proceeds Fund (2505)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Indirect Cost Fund (9000)	\$0	\$0	\$0	\$0	\$0	\$2,000,000	\$2,000,000
<b>TOTAL</b>	<b>\$6,402,438</b>	<b>\$4,890,402</b>	<b>\$5,964,680</b>	<b>\$3,784,800</b>	<b>\$3,272,716</b>	<b>\$6,562,201</b>	<b>\$30,877,236</b>



# Questions & Answers