



2023 RECOMMENDED TECHNOLOGY INVESTMENT PROJECTS (RTIP) REPORT

VITA

IT Investment Management Division

NOVEMBER 2023

- RTIP Code Requirement
- RTIP Report Structure
- 2023 RTIP Project Portfolio Summary
- IT Spend Trend Line Graph
- IT Project Spend
- FY 2023 IT Spend Breakout
- Recommendation

Prepare annually a report for submission to the Secretary, the Information Technology Advisory Council, and the Joint Commission on Technology and Science on a prioritized list of Recommended Technology Investment Projects (RTIP Report) based upon major information technology projects submitted for business case approval pursuant to this chapter. As part of the RTIP Report, the CIO shall develop and regularly update a methodology for prioritizing projects based upon the allocation of points to defined criteria. The criteria and their definitions shall be presented in the RTIP Report. For each project recommended for funding in the RTIP Report, the CIO shall indicate the number of points and how they were awarded. For each listed project, the CIO shall also report (i) all projected costs of ongoing operations and maintenance activities of the project for the next three biennia following project implementation; (ii) a justification and description for each project baseline change; and (iii) whether the project fails to incorporate existing standards for the maintenance, exchange, and security of data. This report shall also include trends in current projected information technology spending by executive branch agencies and secretariats, including `spending on projects, operations and maintenance, and payments to VITA. Agencies shall provide all project and cost information required to complete the RTIP Report to the CIO prior to May 31 immediately preceding any budget biennium in which the project appears in the Governor's budget bill. The RTIP Report is an annual portfolio report done by ITIMD. This report has been significantly downsized over the years by language in the budget bill. FYI, the budget bill trumps CODE.

- Appendix A – Recommended for Funding 2023
- Appendix B – Recommended for Continued Funding 2023
- Appendix C – RTIP Project Descriptions 2023
- Appendix D – Status of 2022 Recommended Projects
- Appendix E – IT Spend Trend Analysis for FY 2023
- Appendix F – Projected O&M Costs 2023

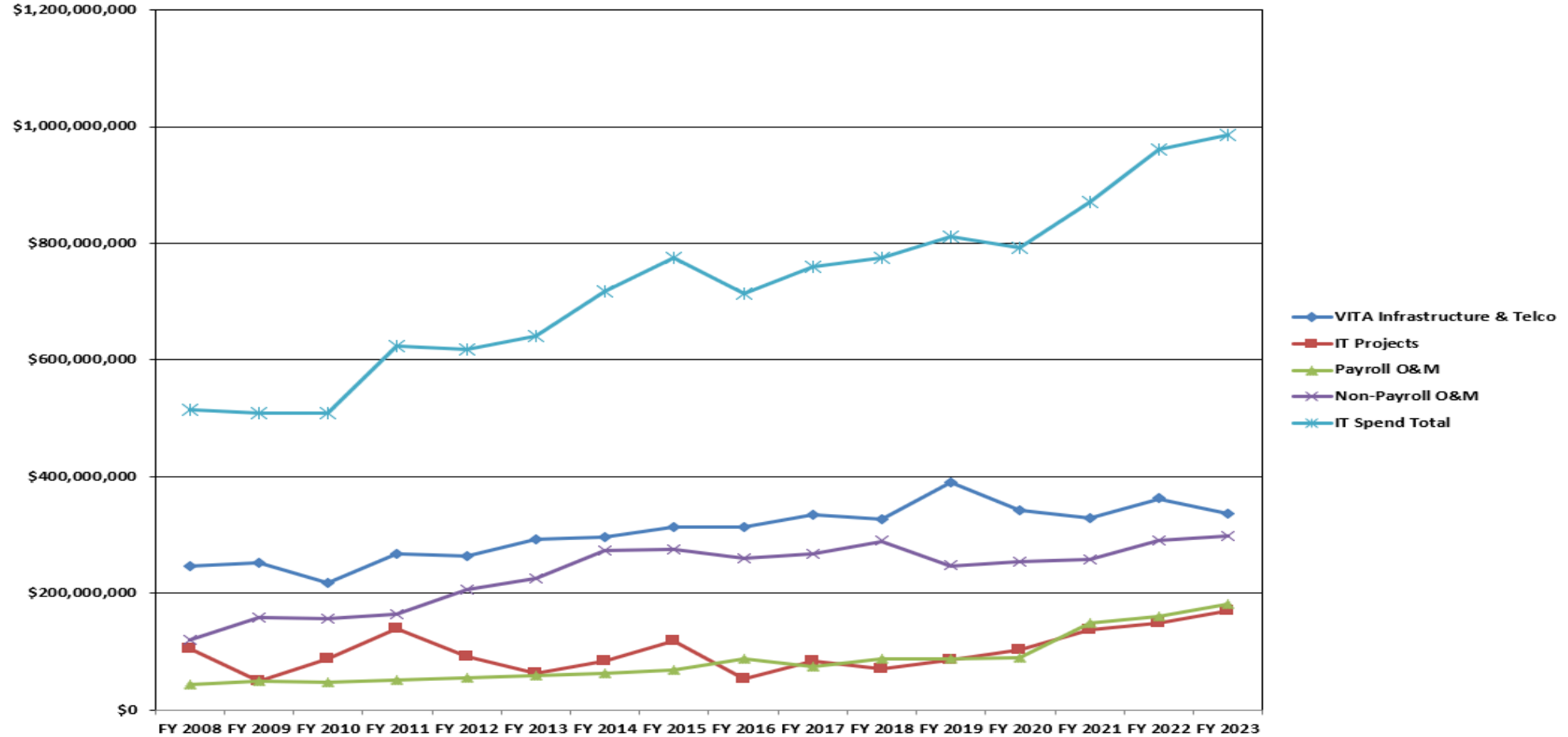


Totals for Major IT Projects (Projects ≥ \$1 million) in the Commonwealth IT Project Portfolio

Approval Status	Number October 2022	Number October 2023	Total Cost October 2022	Total Cost October 2023	Change %
Investment Business Case Approval (IBC)	21	25	\$228,574,397	\$237,850,282	4.05
Project Initiation Approval (PIA)	48	46	\$778,898,776	\$493,322,768	(36.64)
Portfolio Total	69	71	\$1,007,473,173	\$731,173,050	(27.42)

IT SPEND TREND - FY2008 - FY2023

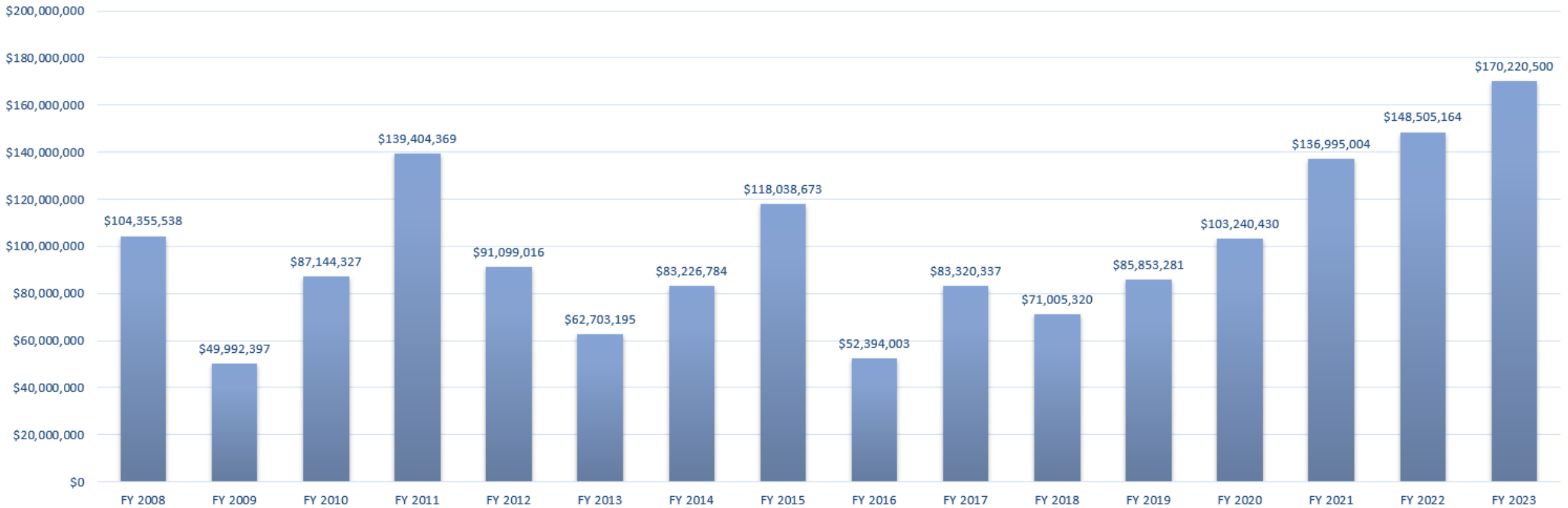
IT SPEND TREND: FY 2008 - FY 2023



NOTE: Beginning FY 2021, Payroll O&M was not reported separately in Cardinal. Since FY 2021, Payroll O&M is based on IT classified salaries & wages.

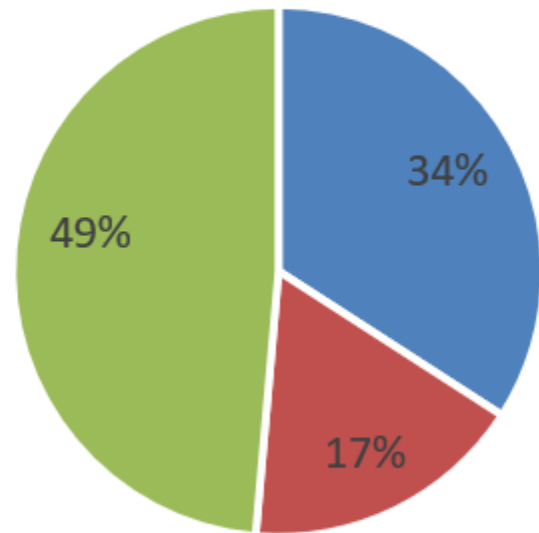
IT PROJECT SPEND

Agency Reported Spend for Projects: FY 2008 - FY 2023



FY 2023 IT SPEND BREAKOUT

IT Spend Total for FY 2023
\$986,522,077



■ VITA Infrastructure & Telco

■ Projs Under Oversight & Governance

■ Non-VITA O&M*

*Agency IT spending not related to expenses for VITA services or projects



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**Appendix A - Recommended for Funding 2023
SUMMARY**

Project	CPGA Class	Secretariat	Agency	Project Cost
Adult Education Data System Project	Category 3	Education	DOE	\$1,735,057
Case Management Records Management and Dispatch Sy	Category 1	Public Safety & Homeland Security	VSP	\$40,000,000
Child Support Enforcement Modernization - Project	Category 2	Health and Human Resources	DSS	\$45,000,000
Coleman Bridge Toll System PROJ - ITSP - FY24	Category 3	Transportation	VDOT	\$5,800,000
CSOD to Oracle Learning PROJ - ITSP - FY24	Category 3	Transportation	VDOT	\$1,354,878
Data Governance Tool Implementation Project	Category 2	Health and Human Resources	DBHDS	\$4,700,000
DBHDS Incident Management System Project	Category 2	Health and Human Resources	DBHDS	\$5,000,000
DBHDS Proj - Enterprise Data Warehouse	Category 1	Health and Human Resources	DBHDS	\$5,378,652
DBHDS Revenue Cycle (AVATAR) Replacement Project	Category 1	Health and Human Resources	DBHDS	\$13,400,000
DHCD Rent Relief Program Project	Category 3	Commerce and Trade	DHCD	\$4,000,000
eGovernment Self Help Expansion My Virginia TAX	Category 2	Finance	TAX	\$2,506,492
Electronic Health Record Project	Category 2	Health and Human Resources	VDH	\$43,915,833
Federal Program Management Application PROJ	Category 3	Transportation	VDOT	\$7,938,500
Offender GPS Tracking System Project	Category 2	Public Safety & Homeland Security	DOC	\$9,073,900
Pre-trial Community Corrections System Replacement	Category 4	Public Safety & Homeland Security	DCJS	\$1,789,794
Replace Automated Inventory Mgmt System (AIMS)	Category 3	Public Safety & Homeland Security	VSP	\$1,400,000
Replace LiveScan System Project	Category 2	Public Safety & Homeland Security	VSP	\$3,550,895
Subsidy Attendance Application Project	Category 3	Education	DOE	\$6,000,000
Tool Management PM Project	Category 3	Public Safety & Homeland Security	DOC	\$1,400,000
Traffic Monitoring System Replacement Project	Category 3	Transportation	VDOT	\$5,368,200
VEC VITA-Transformation	Category 3	Labor	VEC	\$2,000,000
VIIS Software Modernization Project	Category 2	Health and Human Resources	VDH	\$3,500,000
Virginian Identity Project	Category 2	Administration	VITA	\$12,596,300
WIC EBT Project	Category 3	Health and Human Resources	VDH	\$6,000,000

Note: This represents projects that have IBC approval, estimated to cost \$1M or more and are pending (not active and do not have PIA)

**Appendix A - Recommended for Funding 2023
SUMMARY**

Planned Start Date (PIA)	Planned Completion Date	Mandatory	Enterprise	Business Affect	Funding Source Name
10/12/2023	6/30/2024	Yes	Agency-Specific	Improve	Federal
5/3/2024	11/1/2024	Yes	Agency-Specific	Innovate	General Funds
9/1/2023	9/30/2026	Yes	Agency-Specific	Innovate	Federal Partners (OCSE)
4/1/2024	10/1/2032	No	Agency-Specific	Operate	Transportation
1/1/2024	12/31/2026	No	Agency-Specific	Improve	Transportation
3/31/2023	2/29/2024	Yes	Agency-Specific	Improve	General Funds
9/1/2023	11/30/2024	Yes	Agency-Specific	Improve	DMAS
4/3/2023	2/28/2025	Yes	Agency-Specific	Innovate	Consolidated Care Act
6/1/2023	6/30/2025	Yes	Agency Cooperative	Innovate	Special funds
5/24/2021	5/27/2025	Yes	Agency-Specific	Improve	Federal - ERA 2
4/28/2021	9/8/2023	No	Agency-Specific	Improve	General Funds
12/1/2023	6/1/2026	Yes	Agency-Specific	Innovate	ARPA
10/1/2024	6/28/2030	Yes	Agency-Specific	Improve	Transportation
11/26/2023	1/31/2024	Yes	Agency-Specific	Improve	General Funds
7/1/2024	6/15/2025	No	Agency-Specific	Improve	NGF
3/3/2023	6/28/2024	Yes	Agency-Specific	Improve	General Funds
9/1/2023	6/30/2025	No	Agency-Specific	Improve	General Funds
1/1/2024	12/31/2024	No	Agency-Specific	Improve	General Funds
2/28/2024	3/1/2025	No	Agency-Specific	Improve	General Funds
11/1/2021	1/1/2024	Yes	Agency-Specific	Improve	Transportation
4/3/2023	11/1/2023	Yes	Agency-Specific	Operate	Federal
4/1/2024	6/30/2025	Yes	Agency-Specific	Operate	Federal
2/6/2023	2/6/2024	No	Enterprise	Innovate	Agency
3/10/2024	12/30/2024	Yes	Agency Cooperative	Operate	USDA, Congress

Appendix A - Recommended for Funding 2023

DETAIL

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25	WIC EBT Project	Category 3	Health and Human Resources	VDH	\$6,000,000

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	F	G	H	I	J	K	L	M	N
1	Planned Start Date (PIA)	Planned Completion Date	Approp Act / Fund Status	Funding Source FY24	Total Project Expend FY24	Funding Source FY25	Total Project Expend FY25	Funding Source FY26	Total Project Expend FY26
2	10/12/2023	6/30/2024	Fully Funded NGF 100%	NGF	\$867,529	NGF	\$867,529		\$0
3	5/3/2024	11/1/2024	Partially Funded NGF		\$0	NGF	\$25,000,000	NGF	\$8,000,000
4	9/1/2023	9/30/2026	Fully Funded GF/NGF 100%	Mixed	\$20,374,200	Mixed	\$20,011,800	Mixed	\$4,614,000
5	4/1/2024	10/1/2032	Fully Funded NGF 100%	NGF	\$3,000,000	NGF	\$400,000	NGF	\$400,000
6	1/1/2024	12/31/2026	Fully Funded NGF 100%	NGF		NGF	\$570,946	NGF	\$959,946
7	3/31/2023	2/29/2024	Fully Funded GF/NGF 100%	GF	\$2,500,000	GF	\$2,200,000		\$0
8	9/1/2023	11/30/2024	Fully Funded NGF 100%	Mixed	\$2,500,000	Mixed	\$2,500,000		\$0
9	4/3/2023	2/28/2025	Fully Funded NGF 100%	Mixed	\$2,200,000	Mixed	\$2,520,000		\$0
10	6/1/2023	6/30/2025	Partially Funded GF/NGF	Mixed	\$6,700,000	Mixed	\$6,700,000		\$0
11	5/24/2021	5/27/2025	Fully Funded NGF 100%	NGF	\$1,000,000	NGF	\$1,000,000		\$0
12	4/28/2021	9/8/2023	Not Funded	GF	\$1,000,000	GF	\$506,492		\$0
13	12/1/2023	6/1/2026	Partially Funded NGF	NGF	\$14,638,611	NGF	\$14,638,611	NGF	\$14,638,611
14	10/1/2024	6/28/2030	Fully Funded NGF 100%	NGF		NGF	\$658,616	NGF	\$1,339,524
15	11/26/2023	1/31/2024	Fully Funded GF 100%	GF	\$1,814,780	GF	\$1,814,780	GF	\$1,814,780
16	7/1/2024	6/15/2025	Fully Funded NGF 100%	NGF		NGF	\$1,789,794		
17	3/3/2023	6/28/2024	Fully Funded GF 100%	GF	\$600,000	GF	\$300,000	GF	\$100,000
18	9/1/2023	6/30/2025	Fully Funded GF/NGF 100%		\$0	GF	\$1,396,554	GF	\$2,154,341
19	1/1/2024	12/31/2024	Fully Funded GF 100%	GF	\$2,000,000	GF	\$1,000,000	GF	\$1,000,000
20	2/28/2024	3/1/2025	Fully Funded GF 100%	GF	\$400,000		\$1,000,000		\$0
21	11/1/2021	1/1/2024	Fully Funded NGF 100%	NGF	\$5,368,200		\$0		\$0
22	4/3/2023	11/1/2023	Fully Funded NGF 100%	NGF	\$1,000,000		\$0		\$0
23	4/1/2024	6/30/2025	Fully Funded NGF 100%	NGF	\$1,750,000	NGF	\$1,750,000		\$0
24	2/6/2023	2/6/2024	Fully Funded NGF 100%	NGF	\$1,250,000	NGF	\$1,250,000		\$0
25	3/10/2024	12/30/2024	Fully Funded NGF 100%	NGF	\$1,500,000	NGF	\$1,500,000		\$0

Appendix A - Recommended for Funding 2023

DETAIL

	O	P	Q	R	S	T	U	V	W	X
1	Mandatory?	Federal Mandate?	State Mandate?	Other Mandate?	Need GF FY24	Need NGF FY24	Need GF FY25	Need NGF FY25	Need GF FY26	Need NGF FY26
2	Yes	Yes	Yes	No						
3	Yes	Yes	Yes	No			\$22,500,000	\$2,500,000	\$4,000,000	\$4,000,000
4	Yes	Yes	No	No						
5	No	No	No	No						
6	No	No	No	No						
7	Yes	Yes	Yes	No						
8	Yes	Yes	Yes	No						
9	Yes	Yes	Yes	No						
10	Yes	Yes	Yes	No	\$3,500,000			\$3,500,000		
11	Yes	Yes	Yes	No						
12	No	No	No	No						
13	Yes	Yes	Yes	No						
14	Yes	Yes	Yes	No						
15	Yes	No	Yes	No						
16	No	No	No	No						
17	Yes	No	Yes	No						
18	No	No	No	No						
19	No	No	No	No						
20	No	No	No	No						
21	Yes	Yes	No	No						
22	Yes	No	Yes	No						
23	Yes	No	Yes	No						
24	No	No	No	No						
25	Yes	Yes	Yes	No						

Commonwealth of Virginia IT Projects Status Report for August 2023 – Summary

Summary of the August 2023 Report - Category 1, 2, 3, 4 Projects

CIO Assessment	Number	Percent	Dollar Value	Percent
Active - Red	3	4%	\$52,153,594	9%
Active - Yellow	9	13%	\$76,580,106	13%
Active - Green	54	78%	\$451,349,730	77%
Suspended	3	4%	\$9,059,363	2%
Total	69	100%	\$589,142,793	100%

Appendix B

#	Name	Agency	Phase	Category	Period	Assessment
1	Agency Grant Management System Project	VDH	Detailed Planning	Category 3	Jun 2023	On Track
2	AI-Based System for Incident Management Project	VDOT	Detailed Planning	Category 3	Jun 2023	Warning
3	Alliance AWARE BMS	DARS	Detailed Planning	Category 4	Jun 2023	On Track
4	Automated Fingerprint Identification System (AFIS)	VSP	Execution & Control	Category 2	Jun 2023	Warning
5	BOA Licensing System	BOA	Detailed Planning	Category 4	Jun 2023	On Track
6	Body Worn/In Car Cameras - Project	VSP	Detailed Planning	Category 4	Jun 2023	On Track
7	Bond Requisition System Project	TD	Execution & Control	Category 4	Jun 2023	On Track
8	CBORD Replacement - Statewide Food Service Project	DBHDS	Execution & Control	Category 4	Jun 2023	Problem
9	Chatbot	VCCS	Execution & Control	Category 3	Jun 2023	On Track
10	Citizens Logon Project	VITA	Execution & Control	Category 4	Jun 2023	On Track
11	CRIS - Criminal and RapBack Information System	VSP	Execution & Control	Category 2	Jun 2023	Warning
12	Crisis Call Center Project Tech Deliverables	DBHDS	Execution & Control	Category 3	Jun 2023	On Track
13	DBHDS Project - CCS3 Sunset	DBHDS	Execution & Control	Category 2	Jun 2023	On Track
14	DBVI-VIB ERP Implementation (Financials & Mfg)	DARS	Detailed Planning	Category 2	Jun 2023	Warning
15	DCJS Learning Management System Project - 2021	DCJS	Execution & Control	Category 4	Jun 2023	On Track
16	DCLS Environmental Lab Upgrade	DGS	Execution & Control	Category 4	Jun 2023	On Track
17	DEQ VA Hydro Phase 5/PEEP Groundwater Project	DEQ	Execution & Control	Category 4	Jun 2023	On Track
18	Digitize Bridge Inspection Reports Project	VDOT	Execution & Control	Category 4	Jun 2023	On Track
19	DMV Project 2021: Re-platform CSS Mainframe Apps	DMV	Execution & Control	Category 2	Jun 2023	Problem
20	DMV Project 2022: dmvNOW Website Technical Rebuild	DMV	Execution & Control	Category 4	Jun 2023	On Track
21	DMV Project 2022: eTitle Phase 1 - Casual Sales	DMV	Execution & Control	Category 4	Jun 2023	On Track

Appendix B

#	CIO Overall Status Comments	Current EAC
1	New project. The project received Project Initiation Approval (PIA) on 6/15/23; first status report will be due in October for the September reporting period.	3,700,480
2	Yellow status due to schedule and budget; baseline change request pending. The project status is unchanged from the last reporting period, as the lengthy vendor selection, contract negotiating and contract review/approval process precedes the project kickoff and detailed planning. As of this status report, the vendor contract has been approved by VITA, and the increased project cost and schedule extension are being formalized in a revised baseline change request. PMD does not anticipate any impediments to project progress while the change request is being processed. An approved change request will return the project to a green status.	9,110,000
3	Project is green. The project team has completed requirements for interfaces and the project is on schedule.	616,500
4	Project is yellow due to schedule. A collaboration between the vendor and VSP regarding OKTA privileges has been established. Production network configuration and connection have been established and tested. NEC is collaborating with VSP on User acceptance testing (UAT) and working on disaster recovery testing.	2,010,514
5	New project. Procurement nearing completion as the statement of work is being finalized.	972,800
6	New project. The project received Project Initiation Approval (PIA) on 6/15/23; first status report will be due in January for the December reporting period.	9,675,858
7	This project is for governance and oversight utilizing internal resources. No hardware or software updates required.	250,000
8	Project is assessed red due to scope and schedule. This project has incomplete requirements and a poorly constructed schedule. A change request has been approved to extend the project, however, the project continues to work on the requirement and schedule issues. A new project manager has been assigned to the project.	527,983
9	Tier II School. The project is on track with major milestones and key status indicators.	1,234,710
10	Project is on track to close out within managed scope, schedule and budget in September. Successfully assessed three citizen logon proofs of concept, and a winning solution was selected. Next actions involve a Pilot project, followed by the creation of a VITA Identity Management offering, both of which will be managed as a future project.	2,750,000
11	Project is yellow due to schedule. The Release 1 and Release 2 schedules are yellow pending NEC and SEARCH meetings with GCOM to rebaseline the schedules. The OKTA sandbox configuration was completed 6/1.	29,096,093
12	Project is green, trending yellow. The project team completed a change control request to rebaseline the project. The new timeline is moving forward but there is some early concern about task estimates not being realistic and some tasks are already behind schedule. The team continues to monitor tasks and their timelines.	5,000,000
13	Project is green and on track for scope, schedule and budget. PIA was received in the last month.	2,806,261
14	Project is yellow due to schedule delays. Work is wrapping up on the first procurement (software vendor) as well as initial action is being started on the second procurement for the implementation and support partner.	1,863,675
15	Production url is live. DCJS has been loading content since 5/1/2023. The Self-Registration Portal has been released and learners have been creating accounts and taking courses since 5/30.	769,250
16	The project is on track overall but has struggled with key vendor staff turnover. Vendor has addressed the issue and assigned a new senior pm to the project along with increasing supporting staffing levels.	1,184,210
17	New project. The project received Project Initiation Approval (PIA) on 8/8/23; first status report will be due in January for the December reporting period.	836,000
18	Project is proceeding according to plan; Field Tablets have been distributed, UAT is going very well and BA is coordinating signoff from business. Go-live is on track with all districts briefed and on board. While some interim milestones are lagging, the project is on track to finish before the baseline end date.	2,164,000
19	Project is assessed red due to schedule. DMV has decided to end their engagement with the current vendor due to poor performance. At this time DMV is working to determine next steps. Until DMV has a path forward with a new vendor this project is red.	49,367,143
20	Project is green and on track for scope, schedule and budget.	1,410,592
21	Project is green. Project is wrapping up development and beginning to test. They are on track to close the project on schedule at the end of September 2023.	765,300

Appendix B

#	Name	Agency	Phase	Category	Period	Assessment
22	DOC Virtual Library Project	DOC	Detailed Planning	Category 4	Jun 2023	Suspended
23	DOLI Dynamics Deployment Project	DOLI	Execution & Control	Category 4	Jun 2023	On Track
24	DPOR Systems Replacement - Project	DPOR	Detailed Planning	Category 1	Jun 2023	Suspended
25	EAP Percentage of Income Payment Program (CR671)	DSS	Execution & Control	Category 4	Jun 2023	On Track
26	Early Childhood Licensing - IDM Project	DOE	Detailed Planning	Category 3	Jun 2023	On Track
27	Early Intervention Part C Data System (ITOTS)	DBHDS	Execution & Control	Category 2	Jun 2023	On Track
28	Electronic Healthcare Records	DOC	Detailed Planning	Category 1	Jun 2023	On Track
29	Financial Management System Upgrade	VEC	Execution & Control	Category 4	Jun 2023	On Track
30	Fuel Hardware and Software Replacement Proj	VDOT	Detailed Planning	Category 3	Jun 2023	On Track
31	GALA General Assembly Bill Tracking Upgrade PROJ	VDOT	Detailed Planning	Category 4	Jun 2023	On Track
32	Grant Management	DBHDS	Execution & Control	Category 4	Jun 2023	On Track
33	HCM 9.2 Upgrade and Strategic Initiatives	VCCS	Execution & Control	Category 3	Jun 2023	Problem
34	Human Capital Management Cloud Implementation Proj	VDOT	Execution & Control	Category 2	Jun 2023	On Track
35	Hybrid Classroom Improvements AY22-23	VCU	Execution & Control	Category 3	Jun 2023	On Track
36	Instructional Improvement System Project	DOE	Execution & Control	Category 2	Jun 2023	On Track
37	Land Use Outdoor Advertising Permit Project	VDOT	Execution & Control	Category 4	Jun 2023	On Track
38	Learning Management System (LMS) Project	UVA	Execution & Control	Category 3	Jun 2023	On Track
39	Log Management Portability	VITA	Execution & Control	Category 4	Jun 2023	Warning

Appendix B

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22	The project was suspended and placed on hold until Fall of 2023 due to funding.	679,933
23	Green assessment (trending yellow) due to scope, schedule and budget. Project is experiencing some difficulties, but the agency and vendor are working together to deliver the full business functionality within category 4 scope, schedule and budget tolerances. MS Dynamics was delivered on time in June. Power BI was due at the end of June, but is currently not working as planned; the vendor is working on a no-cost proposal to remediate the deliverable. Under Customer Engagement (CE), the PM and Sponsor are dealing with a recent discovery of additional data that needs migration in order for CE to deliver maximum business value. This will likely cause a cost and schedule increase, to be determined. The project may yet close out by next reporting period, within category 4 tolerances.	5,197,496
24	The project was suspended by the CIO at the agency's request. This has allowed the agency to recruit an IT director and evaluate resource levels needed to support continued project execution.	7,785,000
25	Project is green. The project completed a change control request to move the close out due to testing delays from Dominion. The changes have been completed, but need testing by Dominion, which will be delayed until the fall. The project should close out upon completion of testing.	1,373,427
26	New project. The project received Project Initiation Approval (PIA) on 6/22/23; first status report will be due in October for the September reporting period.	2,080,000
27	Project is green. The team is making good progress on project tasks. UAT planning has started. The project is on schedule and within budget.	2,500,000
28	New project. The project received Project Initiation Approval (PIA) on 7/26/23; first status report will be due in September for the August reporting period.	22,231,750
29	Project is on track and risks are being managed effectively. The vendor has upgraded each of the respective non-production environments.	2,400,000
30	Project is well into the detailed planning phase; progressing as planned.	12,100,000
31	Project received Initiation Approval on 5/10/23; project team conducted kickoff event, and the team is working well; scope, schedule, budget and risks on track at this time. All development remains on track for committed delivery timeframes. All issues and risks have been mitigated.	503,600
32	Project is assessed green. The project is on track for scope, schedule and budget.	341,000
33	Tier II School. Red assessment due to schedule and the complexities associated with the Enterprise Cardinal HCM implementation. Project was paused in order to focus all available resources on the enterprise effort. Change request is in progress to address the updated schedule baseline.	2,258,468
34	Team is making solid progress on rebaselined schedule. Currently working on configurations for Oracle recruiting cloud and HR Helpdesk. Team has successfully tested Hire Vue and LinkedIn integrations and is working on remaining interfaces. Scope, schedule, budget and risks are being managed well.	5,725,738
35	Tier III School. The project is on track with major milestones.	1,177,000
36	Project is on track and risks are being managed effectively.	9,661,439
37	A baseline change was approved in May 2023 to add nine months of additional testing and quality reviews to the project, with a new closeout date of March 2024. At this time, the budget should stay within 20% of chartered baseline, but there is some risk of a budget increase being tracked. Work is progressing as planned and the next series of major releases are on track.	1,797,276
38	Tier III School. The project is on track with major milestones.	3,995,891
39	Yellow assessment due to schedule; upcoming baseline change request. The Log Management Portability product is configured and ready for final testing and implementation, but the VITA SPLM process is not ready to receive and roll out the new service offering. This is delaying rollout, probably until October 2023. A change request will be submitted as soon as a valid SPLM schedule is determined. No budget impact; should be a successful product.	490,518

Appendix B

#	Name	Agency	Phase	Category	Period	Assessment
40	Medicaid Dental Program	DMAS	Execution & Control	Category 4	Jun 2023	On Track
41	Messaging - Agency Transition Project	VITA	Closeout	Category 4	Jun 2023	On Track
42	Multimodal Mobility Enhancement DI Project	VDOT	Detailed Planning	Category 3	Jun 2023	Warning
43	New Credential Management System	DCJS	Detailed Planning	Category 4	Jun 2023	Suspended
44	ODW SRF Modernization Project	VDH	Execution & Control	Category 4	Jun 2023	On Track
45	Oracle EPM implementation Project	VITA	Execution & Control	Category 4	Jun 2023	On Track
46	OT Service and Asset Management Solution Project	VDOT	Execution & Control	Category 4	Jun 2023	On Track
47	PPE Lane and Software Upgrade Project	VDOT	Execution & Control	Category 4	Jun 2023	On Track
48	Primary Election System - Project	ELECT	Detailed Planning	Category 1	Jun 2023	Warning
49	PROJECT: MAINFRAME 2022 - COIN System	CB	Closeout	Category 2	Jun 2023	On Track
50	Re-Engineering Madison - CRM	JMU	Execution & Control	Category 3	Jun 2023	On Track
51	RUMS Replacement Project	VDOT	Detailed Planning	Category 4	Jun 2023	On Track
52	Service Authorization and Specialty Services	DMAS	Execution & Control	Category 4	Jun 2023	On Track
53	SOR System Replacement	VSP	Execution & Control	Category 4	Jun 2023	On Track
54	Spend Smart Project	VDH	Execution & Control	Category 4	Jun 2023	Warning
55	STARS Infrastructure and Subscriber Upgrade	VSP	Execution & Control	Category 1	Jun 2023	On Track
56	Teacher Licensure Project - Thentia	DOE	Detailed Planning	Category 4	Jun 2023	On Track
57	Traffic, Traveler and Road Information (TTRIP) Ser	VDOT	Execution & Control	Category 4	Jun 2023	Warning

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#	CIO Overall Status Comments	Current EAC
40	The Medicaid Dental Program went live on 7/1/23 for 85+% of the requirements met. Remaining items (EPS testing, CRMS and Mobile App) are targeted for September 1, and these items do not impact production data. Note that DMAS is working with the vendor to withhold payment until all items are complete. On track to close out within established baseline.	2,330,699
41	All agencies have successfully cut over as of 5/15/23. All implementations have stabilized, and the project closeout report and process has begun. Note that there are two agency active vault migrations continuing in the background as of this report, with no impact to services. Also, the project cost will likely be \$8.6M, rather than the projected \$5.8M, estimated at project initiation. This will be documented in the closeout report.	5,879,934
42	Yellow status due to schedule. The project status is unchanged from the last reporting period, as the lengthy vendor selection precedes the project kickoff and detailed planning. At present, the best-value offeror has been identified, negotiations have been completed, and contract package documents have been drawn up for final review by all parties, i.e., VDOT, VITA, OAG, and the Offeror. Still awaiting completion of the ECOS review. After ECOS approval is received and the contract package is finalized, the following key (pre-NTP) activities will still need to be performed: formal review of the contract package by VITA, OAG, VDOT's Commissioner, and FHWA; notice of intent to award; and contract execution and issuance of NTP.	3,200,010
43	The project has been suspended and placed on hold per agency request.	594,430
44	Project is green. The agency is moving forward with OKTA and completing the external portal extension.	1,617,999
45	Oracle EPM Budgeting module went live on 7/1/23 successfully. The project team is now focusing on the Forecasting module that is scheduled to go live by end of November. Project on track for scope, schedule and budget. Risks are being managed.	1,930,000
46	Baseline change request was approved on 7/18/23 extending the project closeout 12 months to 5/31/24 due to additional time and effort required to integrate all Security Operations Center tools and address signal data quality. Adequate contingency funds were built into the budget baseline, so no budget increase is needed. Project returns to green status, on track to complete by the revised closeout date.	1,540,000
47	The project has experienced a delay on the availability on the e6 smart tag readers. This delay will cause the completion date on the component to slip to December. However, the project should be able to complete within the 20% variance. Project sponsor engaged, risks are being managed.	2,217,797
48	Yellow assessment due to supplier resource constraints. Detailed planning nearing completion and the project steering committee is highly engaged. Risks are being identified and managed effectively. Team developed a quarterly newsletter that will help keep stakeholders informed. The supplier lost two key resources that will need to be filled immediately.	25,839,544
49	Project is in closeout. Mainframe COIN project went Live on July 1st. All defects have been resolved and final code has been implemented. System access by end users outside the COV domain via Global Protect VPN is working well.	1,687,838
50	Tier III School. The project is on track with major milestones.	6,340,000
51	New project. The project received Project Initiation Approval (PIA) on 7/6/23; first status report will be due in January for the December reporting period.	4,961,100
52	The project overall is on track for completion within the chartered baseline. Solid progress; Issues and Risks are being closely monitored and mitigated. Project sponsors engaged, project is being well managed.	400,000
53	A change request has been approved to rebaseline the schedule and budget for the project.	1,758,505
54	Yellow assessment (trending green) due to pending change request for schedule and budget increase.	541,660
55	The project is on track for all key status indicators.	132,475,530
56	Project is on track and risks are being managed effectively.	3,031,424
57	Yellow assessment due to schedule; imminent baseline change request anticipated. Although development, design, and integration work is continuing to progress in areas not impacted by outside agency dependencies, the Enhanced 511 services dependencies have been delayed, which will extend the overall project schedule. VDOT is gathering information to submit a change request to VITA next month for this project. Project retains strong executive support, as VDOT continues efforts to modernize and future proof Traffic Operations Technologies.	4,428,092

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#	Name	Agency	Phase	Category	Period	Assessment
58	TRS Risk Information System Project	TD	Detailed Planning	Category 2	Jun 2023	On Track
59	Unemployment Insurance Modernization	VEC	Execution & Control	Category 1	Jun 2023	On Track
60	VaCMS Automation of Newborn Enrollment (SOW D-102)	DSS	Detailed Planning	Category 4	Jun 2023	On Track
61	VCU Data Center Move (TOC)	VCU	Execution & Control	Category 3	Jun 2023	On Track
62	VDEM - EOC AV upgrade Project	VDEM	Execution & Control	Category 4	Jun 2023	On Track
63	VDOT Severe Weather Application System 2.0 PROJ	VDOT	Detailed Planning	Category 4	Jun 2023	On Track
64	VDOT Smart Portal 2024 Project	VDOT	Detailed Planning	Category 4	Jun 2023	On Track
65	VeraSmart Project	VITA	Execution & Control	Category 3	Jun 2023	On Track
66	Veterans Information Management System Project	DVS	Detailed Planning	Category 4	Jun 2023	On Track
67	VSP Transformation Project	VITA	Execution & Control	Category 1	Jun 2023	On Track
68	VSU - WLAN - WIFI PROJECT	VSU	Execution & Control	Category 2	Jun 2023	On Track
69	Web Content Management DXP Project	VDOT	Execution & Control	Category 4	Jun 2023	On Track

Appendix B

#	CIO Overall Status Comments	Current EAC
58	Project is progressing well. Executive management and project teams are working well together conducting discovery sessions to replace the three separate systems (VACCS, VAPS and CITIVAS) with a single integrated system. Risks and issues are being mitigated and tracked.	998,056
59	The project team is doing a good job managing the complexities associated with operating the new system and fulfilling the demand for unemployment services. The project steering committee remains highly engaged and risks are being managed effectively.	95,123,031
60	New project. The project received Project Initiation Approval (PIA) on 8/14/23; first status report will be due in January for the December reporting period.	571,032
61	Tier III School. The project is on track with major milestones and key status indicators.	18,500,000
62	Approved change order for CRESTRON hardware. Waiting on supply chain for final pieces of equipment.	2,500,000
63	The SWAS project received Initiation Approval on 5/12/23; the team is identified and resources are engaged. Prioritized backlog is identified. The project is currently engaged in sprint 3 of 22. Risks are being managed and team appears to be on a successful trajectory.	802,000
64	Project received Initiation Approval on 5/12/23; project team conducted kickoff event, and the team is working well; scope, schedule, budget and risks on track at this time.	5,296,343
65	Detailed project planning complete 7/17/23. Vendor (Calero) and implementation partner (KPMG) on board and progressing as planned. This project has a significant OCM and communication element, as there are many stakeholder groups to manage. Solid progress to date.	1,796,000
66	Development is completed and user acceptance testing is in progress.	2,000,000
67	Green assessment (trending yellow) due to schedule. IV&V complete and report presented to the project steering committee outlining positive elements. Schedule for 10 HA FW deployments was crashed, allowing the effort to be completed before the June 30th milestone date, despite initial delays encountered. Field Office Network Services entered administrative closure phase on June 23rd. Administrative closure completed for Directory Services on June 15th. VSP decided that all new workstations introduced into the environment, including those being refreshed, will be COV domain joined. The FBI VLAN migration may necessitate a 60-day FBI CJIS sec arch review. Procurement and onboarding delays, coupled with issues surfaced in pilot testing of the Quest tool is expected to push the target completion date into September/October for End-User Services execution. The impact of VSP server migration delays, is expected to shift the completion date of HQ Network Services execution into the late October timeframe.	44,361,225
68	Project is assessed green (trending yellow) due to anticipated project budget and scope change. Scope change is the installation of equipment in modular units for students. Project is in Detailed Planning phase. Executive management and the project management team are heavily involved and working to resolve current issues.	5,600,000
69	Project deliverables for the five Phases have been re-prioritized at the request of the Project Sponsor. Per this re-prioritization, the project remains on target to deliver according to the revised plan. No impediments or issues exist for this project at this time. On solid trajectory for project success.	2,410,639

Appendix C - 2023

Major IT Project Descriptions

Project Formal Title: Adult Education Data System Project

Agency: Department of Education (DOE)

Secretariat: Education

Investment Status: Investment Business Case Approval

Project Description:

The Office of Career, Technical and Adult Education has utilized a web-based system for data collection from adult education programs across the Commonwealth. The evolving federal requirements and program-level requirements have created the need for a vendor to provide the state with a new web-based data management solution, to meet the goals and requirements of the Workforce Innovation and Opportunity Act (WIOA) landscape. DOE will conduct an RFP to acquire a solution that will improve the constituent experience at every level in adult education. Students, intake specialists, and instructors will have access to a common digital platform to streamline the enrollment process and instructors will have access to classroom and student-level data for decision making. Providers and state staff will have access to real-time data for program management and a host of new tools will be available for analysis. Training and technical assistance is also a critical component of the contract.

Project Scope:

A web-based, real-time data management solution needed to meet the goals and requirements of adult education providers and the Virginia Department of Education (VDOE). In 2002, the VDOE implemented a web-based system for collecting data from adult education programs across the Commonwealth. The Adult Education Application was designed to collect and report on federal performance measures under the Workforce and Investment Act (WIA). In 2014, WIA was replaced with the WIOA and with the new legislation came new performance measures and new accountability requirements. The evolving federal requirements and provider-level needs have contributed to the VDOE's decision to seek a vendor to provide the state with a new web-based data management solution to meet those accountability requirements.

The required system will support the Virginia adult education system and our network of 22 regional programs serving all 95 counties and 38 independent cities through approximately 1,600 classes. The system will ensure that the state can meet its oversight and monitoring responsibilities of federally funded sub-grantees, improving data quality and collection, and supporting program improvement with a state-of-the-art user interface.

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Project Formal Title: Agency Grant Management System Project

Agency: Department of Health (VDH)

Secretariat: Health & Human Resources

Investment Status: Project Initiation Approval

Project Description:

The Virginia Department of Health (VDH) is looking to modernize and implement a solution to manage grant activity by allowing standardization across various groups, supporting required integrations to financial systems and providing a central data repository that allows for integrated document management.

Project Scope:

This SOR defines the services required by Authorized User in support of the Project/Service. The scope of this project is to implement a modern grant management application solution for VDH and includes:

- Project Management
- Software/Application platform recommendations
- Requirement analysis and refinement
- Application Design
- Application Development and/or configuration
- Application Integrations with 3rd party systems
- Assistance with User Acceptance Testing
- Training
- Application Security Implementation
- Production Deployment and knowledge transfer

Below are more details of the project scope. Business Requirements Documentation, Process Workflow documentation and report examples are provided as separate attachments to the SOR.

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Project Formal Title: AI-Based System for Incident Management Project

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Project Initiation Approval

Project Description:

VDOT is seeking to design and implement the Decision Support System to evaluate the current transportation network conditions, predict the impact of disruptions, and provide coordinated response options to operational agencies to more effectively and collaboratively resolve disruptions that slow travelers down.

Project Scope:

The AI-DSS is to be furnished as System-as-a-Service, providing the functionality to review and evaluate the current conditions, as well as to predict conditions of the Northern Virginia and Metropolitan Fredericksburg (Stafford County, City of Fredericksburg, and Spotsylvania County, along the I-95 corridor) transportation network. The AI-DSS will help transportation operations agency operators make informed decisions in managing both recurring and non-recurring congestion conditions that affect their transportation networks (transit, arterial, and freeway conditions, and parking availability); and to make recommendations on the actions to be taken to optimally respond to transportation events in the region. It is assumed that the AI-DSS will be a multi-phased functional deployment with additional functionality deployed during each phase until the full System-as-a-Service technologies proposed by the Offerer are completed. Upon NTP, there will be a 24 month development period with multiple deliverables followed by a 12 month operational support period. This project will address the multimodal and multi-agency incident response plan coordination gap that currently exists.

The users for this project are limited to transportation operators identified as participating stakeholders; the public and roles outside of transportation operators would be out of scope. Also, this project is identified for Northern Virginia and Metropolitan Fredericksburg (Stafford County, City of Fredericksburg, and Spotsylvania County, along the I-95 corridor) and any area outside of the identified geographical area would be out of scope.

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Project Formal Title: Automated Fingerprint Identification System (AFIS)

Agency: Department of State Police (VSP)

Secretariat: Public Safety & Homeland Security

Investment Status: Project Initiation Approval

Project Description:

This project will move the Automated Fingerprint Identification System (AFIS) from locally hosted servers to a SaaS solution.

Project Scope:

The scope of this project is to move the Automated Fingerprint Identification System (AFIS) from locally hosted servers to a SaaS solution.

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Project Formal Title: Body Worn/In Car Cameras - Project

Agency: Department of State Police (VSP)

Secretariat: Public Safety & Homeland Security

Investment Status: Project Initiation Approval

Project Description:

Implement a SaaS solution to provide body worn and in car cameras for all troopers in the agency. Equipment to be procured with AXON under the existing NASPO contract (NASPO MA# OK-MA-145-015).

Project Scope:

The objective of the project described in this Statement of Work (SOW) is for the Supplier to provide the Authorized User with a License Plate Reader, In-Car Video, Video and Digital Evidence Management System and Installation Services to include front and cabin cameras, HIFI Microphones, Brackets, Mounts, bases, and Sierra Wireless Modems for Virginia State Police.

This project effort will replace the current legacy WatchGuard system.

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Project Formal Title: Case Management Records Management and Dispatch System

Agency: Department of State Police (VSP)

Secretariat: Public Safety & Homeland Security

Investment Status: Investment Business Case Approval

Project Description:

This project includes investigative processes that may (as defined in policy) require an Investigative Report (SP-102) and processes that directly support these investigations as specified below:

- Investigative Requests & Complaints
- Investigations (analysis, documenting completed actions and investigative reports)
- Search Warrants
- Criminal Funds
- Arrests & Bookings
- Confidential Informants (CIs)
- Legal Document Service & Arrests
- Activity Time Reporting
- Interface with Incident-Based Reporting System

Project Scope:

The Virginia State Police (VSP) is seeking to replace current Virginia State Police legacy applications with a Commercial-Off-The-Shelf (COTS) integrated law enforcement system incorporating Computer Aided Dispatch (CAD), Case Management (CMS) and Records Management (RMS) functionality. Virginia State Police is seeking products that provide innovative, flexible and sustainable solutions to meet the current and future needs of a 21st century law enforcement agency.

Virginia State Police requires an efficient and user-friendly solution to integrate the core functionalities of the computer aided dispatch system with the criminal investigative and records management functionalities required of the agency. The new solution is expected to create a modern and integrated process for documenting and servicing Calls for Service (CFS), criminal and non-criminal investigative activities, records management and reporting activities performed by the agency. In addition, the solution is expected to comply with and be readily adaptable to Virginia State Police and VITA strategic requirements and be reconfigurable for legislative changes and the integration of new technology.

Virginia State Police is required to maintain call history of any dispatched calls, trooper actions and investigative results for various periods as may be directed through agency policies, procedures or through legislative directives. Virginia State Police must have a

Appendix C – 2023 Major IT Project Descriptions

viable expandable case management and records management system that complies with current and future judicial, federal and Commonwealth laws and statistical reporting.

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Project Formal Title: Child Support Enforcement Modernization -Project

Agency: Department of Social Services (DSS)

Secretariat: Health & Human Resources

Investment Status: Investment Business Case Approval

Project Description:

The Virginia Department of Social Services Division of Child Support Enforcement (DCSE) provides for the location, establishment and enforcement of child support orders through education, prevention, technology and enforcement activities. The functionality of the DCSE application, APECS, is currently run on mainframe using programming languages COBOL and JCL. The current mainframe contract with Perspecta will end June 2024. VDSS plans to retire existing mainframe technology and replace the functionality by June 2024. The batch application programs perform the processing of: incoming and outgoing payments, case management, order enforcement and action, while interfacing with 36 external entities. An RFP will be issued to select a vendor to perform the child support modernization project.

Project Scope:

- Retiring the use of outdated COBOL code
- Replacing the existing mainframe COBOL legacy APECS system, the .NET IAPECS
- system, and key ancillary systems/ databases that are fundamental to Child Support
- Enforcement operations.
- Implementing a cloud-based state of the art child support system.
- Completing any required data conversions.
- Completing a data clean-up of existing APECS data for the conversion.
- Decommissioning related mainframe technologies and components.
- Ensure that all existing requirements are met by the new solution.
- Ensure that the solution meets CSE Federal Certification requirements.
- Ensure that the solution meets all federal IRS publication 1075 requirements as well as all Commonwealth of Virginia Security Requirements including, but not limited to, SEC 501.
- Ensure that the new system uses real time interfaces and creates documents and reports real time where possible.
- Eliminate or reduce the need for batch jobs.
- Ensure that existing components are migrated (e.g. batch jobs, interfaces, etc.)
- Ensure the modernized system will have an integrated customer service portal.

- Ensure that all necessary child support forms are recreated using the latest behavioral analytics.

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- Ensure that all necessary reports and dashboards are created.
- Ensure that the DCSE's core principles are followed during the project.
- Follow standard Software development principles and a project methodology that is appropriate for the solution.
- Include an independent Project Manager that will ensure that the project stays on track.
- Ensure the solution provided adheres to the VDSS IT Services Reference Blueprint Architecture

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Project Formal Title: Citizens Logon Project

Agency: Virginia IT Agency (VITA)

Secretariat: Administration

Investment Status: Project Initiation Approval

Project Description:

VITA is tasked with launching a single sign on service so that Citizens can log into a unified service and the credential will pass into the agency applications. This service will provide multiple and improved layers of security/identification and provide a simple login for all COV Citizens. We have narrowed our technology choices to two applications: MS B2C and Okta. There are pros and cons with each. VITA has more internal experience with Okta and we can leverage the investments (financial and architecture) already made in integrating applications via Okta. MS B2C is less expensive and better aligned with our enterprise software investments in MS and a little less costly at scale. Both tools are Gartner MQ leaders. Other states are using both. Right now the VITA team is leaning slightly towards Okta but we haven't made a decision.

Project Scope:

VITA is tasked with launching a single sign on service so that Citizens can log into a unified service and the credential will pass into the agency applications. This service will provide multiple and improved layers of security/identification and provide a simple login for all COV Citizens. VITA will be conducting three POCs; Assure B2C and two different Okta implementations.

To support this initiative, Supplier will provide the Commonwealth with initial implementation support and a comprehensive engagement focused on setting up the base solution and deploying the identified application including: Definition and Documentation of Overall Architecture Platform Setup and Configuration Citizen Facing Application Integration It is expected that with a commitment of resources by Customer and Supplier, the estimated time to completion upon commencement of services will be up to twelve (12) weeks from the initiation of the SOW. This SOW covers the following anticipated activities and deliverables: Initiation Phase: Architecture and Design High Level Project Readiness and Project Management Architecture & Design Review to confirm requirements and use cases. High-Level Architecture Documentation Implementation Phase: Platform Configuration and Application Integration Non-Prod and Production environment deployment Directory set-up and User Migration Single Sign On Configuration Multi Factor Authentication Configuration Applicant Proofing NIST accepted Application Integration and Deployment Identified application integration Custom Login Password Reset Self-Service Change Management Strategy and templated documentation for implementation Knowledge Transfer to Commonwealth

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team User Acceptance Testing Go-Live Support.

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Project Formal Title: Coleman Bridge Toll System PROJ - ITSP - FY24

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Investment Business Case Approval

Project Description:

The current toll system has multiple components that are nearing (or at) end of life/end of support. Parts are becoming difficult to source, VDOT to engage in a competitive procurement to allow for better value for the money, newer - more effective technology, and increased life span of the facility.

Equipment will be refreshed minimizing risk that develops from aged/aging assets. Increases likelihood of competitive pricing. Certain assets are envisioned to be phased out that will decrease operational spend(treadles).

Project Scope:

To procure and replace the Tolling System for Coleman Bridge.

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Project Formal Title: CRIS - Criminal and RapBack Information System

Agency: Department of State Police (VSP)

Secretariat: Public Safety & Homeland Security

Investment Status: Project Initiation Approval

Project Description:

The Virginia State Police is seeking an integrated, cloud-hosted, browser-based, software as a service solution (SAAS) for criminal history and tracking system.

Project Scope:

In compliance with Executive Order 19, the Virginia State Police is seeking an integrated, cloud-hosted, browser-based, software as a service solution (SAAS) for:

- computerized criminal history
- applicant tracking
- master name index
- civil commitment orders

that provides for:

- integration with the Alternate National Fingerprint File (A-NFF)
- integration with the criminal justice information network message switch, including interfaces to criminal justice users, the International Justice and Public Safety Network, the National Crime Information Center, and state criminal justice repositories/hotfiles
- adoption of standardized XML formats for the exchange of data among agencies
- event-based rap back subscription capability
- replacement of the current master name index, which is at end of life
- improved arrest, disposition, juvenile, mental health, and expungement data integration with the courts and Department of Corrections
- timely responses to criminal and applicant inquiries

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Project Formal Title: Crisis Call Center Project

Agency: Department of Behavioral Health and Development Services (DBHDS)

Secretariat: Health and Human Resources

Investment Status: Project Initiation Approval

Project Description:

Create a statewide call center data platform that can be used both by CSB staff (potentially a subcontracted private provider), private and state hospital staff, as well as Central Office staff. This is to assure that we can collect caller information from those in crisis (demographics), dispatch function, monitoring function(GPS enabled), linking to other services, bed registry function, and text and chat function.

Project Scope:

Create a statewide call center data platform that can be used both by CSB staff (potentially a subcontracted private provider), private and state hospital staff, as well as Central Office staff. This is to assure that we can collect caller information from those in crisis (demographics), dispatch function, monitoring function(GPS enabled), linking to other services, bed registry function, and text and chat function.

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Project Formal Title: CSOD to Oracle Learning PROJ - ITSP - FY24

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Investment Business Case Approval

Project Description:

Human Resources manages the programs to support training and other workplace requirements. The current Learning Management System (LMS) system, Cornerstone On Demand (CSOD) is standalone and does not integrate with other systems fully, provide the data connections and reporting holistically with other HCM data. This effort is to implement the Oracle Learning module and migrate the learning functionality from Cornerstone On Demand to our integrated Oracle HCM. This allows for a single place for all HCM related activities and data streamlining. It will increase efficiency, decrease hours, allow for increased automation and financial savings through licensing.

Project Scope:

Human Resources manages the programs to support training and other workplace requirements. The current Learning Management System (LMS) system, Cornerstone On Demand (CSOD) is standalone and does not integrate with other systems fully, provide the data connections and reporting holistically with other HCM data. This effort is to implement the Oracle Learning module and migrate the learning functionality from Cornerstone On Demand to our integrated Oracle HCM. This allows for a single place for all HCM related activities and data streamlining. It will increase efficiency, decrease hours, allow for increased automation and financial savings through licensing.

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Project Formal Title: Data Governance Tool Implementation Project

Agency: Department of Behavioral Health and Development Services (DBHDS)

Secretariat: Health & Human Resources

Investment Status: Investment Business Case Approval

Project Description:

This project will establish a data governance program for DBHDS, including data governance policies and procedures. It will deliver a roadmap for establishing a data governance program that will provide accountability for DBHDS's data assets. Using a phased approach, DBHDS is seeking to define the governance and data transformation process and architecture that will provide integrated, authoritative, accurate and insightful data in conformed, consumable, and reportable states of data transformation. Several decision-making bodies are to be established with role and responsibility definition, i.e., a Data Governance Council, Data Decision Team and Data Steward Committees for each business unit.

This initiative is directly tied to the agency's North Star Plan OKR-9A.

Project Scope:

DBHDS will establish an Enterprise Data Strategy (EDS) and Data Governance model and tactical implementation plan that will support and align with the Agency's North Star OKR-9A. The overall mission of the Data Governance project is to enable data-driven decision-making across the Agency by effectively managing and maintaining data resources, ensuring the integrity, reliability, availability, and compliance of organizational data and information. For data users to be able to make informed decisions, we need to establish a culture of information literacy at DBHDS.

The goals of the project are to:

- Adopt an organized system to manage data effectively and ensure clean, consistent data.
- Ensure use of standard, repeatable processes and procedures for data entry, reporting, and sharing.
- Establish a data quality culture that drives data-driven decision-making.
- Improve data literacy across DBHDS, facilities, and CBS's.
- Improve data quality so that business has confidence in the data.
- Project will adopt a phased approach, using the CCS3 application as its pilot.

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Project Formal Title: DBHDS Incident Management System Project

Agency: Department of Behavioral Health and Development Services (DBHDS)

Secretariat: Health & Human Resources

Investment Status: Investment Business Case Approval

Project Description:

The priority is to combine the reporting of Community Providers & DBHDS Operated Facilities into a single system. This would include reporting of serious incidents, serious injuries, allegations of abuse and neglect, complaints about human rights violations, and instances of seclusion and restraint. The single system shall be scalable to combine reporting of Facilities for allegations of abuse and neglect, complaints about human rights violations, and instances of seclusion and restraint. Sometimes a single incident may need to be reported as both a serious incident/injury and an allegation of abuse or neglect (e.g., an individual falls and breaks his arm after being shoved by a staff member). Currently the provider must make two separate reports, one to licensing and one to human rights. Ideally they would enter the information in a single interface that would collect all information and send the relevant data to licensing and human rights staff.

Project Scope:

The priority is to combine the reporting of Community Providers & DBHDS Operated Facilities into a single system. This would include reporting of serious incidents, serious injuries, allegations of abuse and neglect, complaints about human rights violations, and instances of seclusion and restraint. The single system shall be scalable to combine reporting of Facilities for allegations of abuse and neglect, complaints about human rights violations, and instances of seclusion and restraint. Sometimes a single incident may need to be reported as both a serious incident/injury and an allegation of abuse or neglect (e.g., an individual falls and breaks his arm after being shoved by a staff member). Currently the provider must make two separate reports, one to licensing and one to human rights. Ideally they would enter the information in a single interface that would collect all information and send the relevant data to licensing and human rights staff.

Appendix C – 2023 Major IT Project Descriptions

Project Formal Title: DBHDS Proj - Enterprise Data Warehouse

Agency: Department of Behavioral Health and Development Services (DBHDS)

Secretariat: Health & Human Resources

Investment Status: Investment Business Case Approval

Project Description:

DBHDS will contract with a vendor (to be determined) to stand up, host, and maintain an Enterprise Data Warehouse (EDW) Software as a service (SaaS) platform to replace the existing data warehouse hosted by VITA and maintained by DBHDS. The existing reports will be refactored to use the new EDW platform. The new EDW will be populated with data that will be ingested directly from the source systems (i.e., investigate near real-time data ingestion).

Project Scope:

DBHDS will contract with a vendor (to be determined) to stand up, host, and maintain an Enterprise Data Warehouse (EDW) Software as a service (SaaS) platform to replace the existing data warehouse hosted by VITA and maintained by DBHDS. The existing reports will be refactored to use the new EDW platform. The new EDW will be populated with data that will be ingested directly from the source systems (i.e., investigate near real-time data ingestion).

Appendix C – 2023 Major IT Project Descriptions

Project Formal Title: DBHDS Project - CCS3 Sunset

Agency: Department of Behavioral Health and Development Services (DBHDS)

Secretariat: Health & Human Resources

Investment Status: Project Initiation Approval

Project Description:

The Virginia Department of Behavioral Health and Developmental Services (DBHDS) current data-sharing methodology is antiquated and does not support Virginia's ability to accurately determine service/program impact on population health or Community Service Boards (CSB's) performance. As a result, DBHDS is seeking to replace the Community Coordination System Version 3 (CCS3) with a new integration tool that would allow for more real-time, transactional, bi-directional data exchange. CCS3 is the existing application that gathers outcomes from CSB's and reports them to the Substance Abuse and Mental Health Services Administration (SAMHSA) and the General Assembly.

Project Scope:

Project scope includes the exchange of any relevant data contained in the CSB Electronic Health Record with the department's data warehouse. This is mainly governed by current reporting requirements, but data required for the agency to carry out its obligation as the state-level oversight of the public behavioral health system is also within scope. Project scope includes the exchange of any relevant data contained in the CSB Electronic Health Record with the department's data warehouse. This is mainly governed by current reporting requirements, but data required for the agency to carry out its obligation as the state-level oversight of the public behavioral health system is also within scope.

Project Scope includes:

1. Implement the integration solution
 - Procure the solution
 - Manage vendor implementation to create integrations between the DBHDS EDW and the CSB EHR systems
 - Implement business rules to enforce data quality
 - Optimize file/data transfer using APIs/HL7 or other industry standards where possible
 - Sunset CCS3 application
2. Refactor SAMHSA and General Assembly reports
 - Map the EHR data to the required federal and state reports
 - Recreate the reports which are dependent on CCS3 application

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3. Provide a portal for users to view the data submitted and the results of the data quality checks
4. Provide End user training
 - Create education and training for CSB users related to data submission (industry standard HCPCS / ICD-10 codes) to DBHDS
 - Provide training on the new solution's user portal

Appendix C – 2023 Major IT Project Descriptions

Project Formal Title: DBHDS Revenue Cycle (AVATAR) Replacement Project
Agency: Department of Behavioral Health and Development Services (DBHDS)
Secretariat: Health & Human Resources
Investment Status: Investment Business Case Approval

Project Description:

DBHDS is seeking to implement a financial management application tool used for revenue cycle processes including billing facility claims and financial/reimbursement data management. This new system will replace the existing practice management system, Avatar, used by facility and reimbursement staff.

DBHDS currently collects limited revenue as regulated by the Federal Register, Centers for Medicare, and Medicaid Services (CMS), and the Department of Medical Assistance Services (DMAS) across its eight mental health facilities, one child and adolescent facility, one training center, and one medical center. In recent years, DBHDS has strived to achieve Medicare certification at those facilities who were not currently certified. Achieving and maintaining Medicare certification allows DBHDS facilities to bill applicable federal entitlements for medically necessary inpatient stays rather than determining a consumer's ability to pay from the total cost of care.

With these certification changes comes a need for more frequent and advanced billing processes. DBHDS currently utilizes a NetSmart application for accounts receivable billing processes. This non-cloud based system has allowed DBHDS to effectively process billing needs since May 2003 but the need for more sophisticated SaaS solution to meet our current needs. By adopting a new accounts receivable billing system that better aligns with the EHR, certification changes, and facility needs, DBHDS will minimize inefficiencies and potentially increase revenue. Components of the new system will include registration, patient eligibility verification, utilization review needs, coding, claims submission, and reporting. Both eligibility verification and claims submissions will require a clearinghouse system add-on that will connect directly with the new billing system and payers.

Project Scope:

DBHDS currently collects limited revenue as regulated by the Federal Register, Centers for Medicare and Medicaid Services (CMS), and the Department of Medical Assistance Services (DMAS) across its eight mental health facilities, one child and adolescent facility, one training center, and one medical center. In recent years, DBHDS has strived to achieve Medicare certification at those facilities who were not currently certified. Achieving and maintaining Medicare certification allows DBHDS facilities to bill applicable federal entitlements for medically necessary inpatient stays rather than determining a consumer's ability to pay from the total cost of care.

Appendix C – 2023 Major IT Project Descriptions

With these certification changes comes a need for more frequent and advanced billing processes. DBHDS currently utilizes a NetSmart application for accounts receivable billing processes. This non-cloud based system has allowed DBHDS to effectively process billing needs since May 2003 but the need for more sophisticated SaaS solution to meet our current needs. By adopting a new accounts receivable billing system that better aligns with the EHR, certification changes, and facility needs, DBHDS will minimize inefficiencies and potentially increase revenue. Components of the new system will include registration, patient eligibility verification, utilization review needs, coding, claims submission, and reporting. Both eligibility verification and claims submissions will require a clearinghouse system add-on that will connect directly with the new billing system and payers.

This project will include an RFP solicitations, vendor selection and then implementation completely replacing the outdated legacy solution.

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Project Formal Title: DBVI-VIB ERP Implementation (Financials & Mfg)

Agency: Department of Aging and Rehabilitative Services (DARS)

Secretariat: Health and Human Resources

Investment Status: Project Initiation Approval

Project Description:

The DBVI ERP effort will complete the full decommissioning and replacement of existing DBVI ERP systems of record. Various stand-alone applications, databases, and worksheets that gather necessary data to support functions such as help desks, facilities management, and team collaboration. Additionally, the effort will require integration and testing with other COV applications, including:

- Internal Accounting Tool: FRATE/FRATE-Mart (DARS)
- COV Accounting Tool: Cardinal (DOA)
- Vendor Registration & Purchasing Tool: eVA (DGS)

Project Scope:

- The DBVI ERP project will require the deployment of the following ERP modules in the Odoo toolset:
- Customer Engagement: Marketing Automation, Email Marketing, Helpdesk, Social Marketing, Field Service, Website, eCommerce, Events, Studio
- Workflow Management: Planning, Project, Documents, Approvals
- Product: Product Lifecycle Management, Manufacturing, Quality, Inventory, Maintenance
- Sales Support: Sales, Point of Sale, Rental, Sign
- Shipping: FedEx Shipping, UPS Shipping
- Finance & Accounting: Accounting, Consolidation, Invoicing, Purchase, Timesheets

Appendix C – 2023 Major IT Project Descriptions

Project Formal Title: DCLS Environmental Lab Upgrade

Agency: Department of General Services (DGS)

Secretariat: Administration

Investment Status: Project Initiation Approval

Project Description:

The Division of Consolidate Laboratory Services (DCLS) is seeking a Laboratory Information Management System (LIMS) to support laboratories within the Division whose primary focus is in the field of environmental testing services. The ideal LIMS solution will be purpose built for management of all aspects of environmental testing following the rigorous requirements of the multiple accreditations held by DCLS.

This solution will be hosted at the VITA data center. Additionally, in the event of failure of the WAN or centralized data center, the system must switch over to another installation.

DCLS has numerous mission critical requirements and cannot afford any downtime.

Project Scope:

The Division of Consolidate Laboratory Services (DCLS) is seeking a Laboratory Information Management System (LIMS) to support laboratories within the Division whose primary focus is in the field of environmental testing services. The ideal LIMS solution will be purpose built for management of all aspects of environmental testing following the rigorous requirements of the multiple accreditations held by DCLS. This will be an on premise solution as the system need to integrate with instruments at DCLS. Additionally system should be able to fail over and run at DCLS in the event of loss of WAN/data center connectivity.

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Project Formal Title: DEQ Oracle EBS Upgrade Project

Agency: Department of Environmental Quality (DEQ)

Secretariat: Natural Resources

Investment Status: Project Initiation Approval

Project Description:

Project to upgrade the agency's existing Oracle EBS solution in order to update and bring into compliance and to implement additional functionality. This will be done as a software as a service solution (SaaS) as opposed to an on-premise Oracle implementation. Project will include the implementation of Oracle's ERP, HCM and EPM solutions with key integrations to state mandated and legacy systems for DEQ's Finance, Supply Chain, Human Resources and Budgeting functions.

Project Scope:

Project to upgrade the agency's existing Oracle EBS solution in order to update and bring into compliance and to implement additional functionality. This will be done as a software as a service solution as opposed to an on-premise Oracle implementation. Project will include the implementation of Oracle's ERP, HCM and EPM solutions with key integrations to state mandated and legacy systems for DEQ's Finance, Supply Chain, Human Resources and Budgeting functions.

Appendix C – 2023 Major IT Project Descriptions

Project Formal Title: DHCD Rent Relief Program Project

Agency: Department of Housing and Community Development (DHCD)

Secretariat: Commerce and Trade

Investment Status: Investment Business Case Approval

Project Description:

The Virginia Rent Relief Program (RRP) is administered by DHCD as the Commonwealth's emergency rent relief program in response to the Covid-19 pandemic. Funding for RRP has predominantly come from federal sources such as Coronavirus Relief Funds (CRF) and the Emergency Rental Assistance program (ERA), but some state funds have also been used. ERA as a funding source will remain available to DHCD until September 30, 2025. The programmatic structure of DHCD's administration of RRP has had multiple iterations since its inception in late-June 2020. Beginning in late summer 2021, DHCD will again be evolving its program structure resulting in the need for an RFP related to a cloud/web based software system and services for constituent support. The software will ideally allow tenants and landlords to cooperatively apply for rental assistance that would be paid directly to the landlord via direct deposit, while also allowing the service provider of constituent services to process direct payments to tenants in the event a landlord chooses not to participate. This latter ability is mandated as a program feature by the U.S. Department of the Treasury. The cloud/web based software system will need to support a program application that captures a variety of data elements required for monthly and quarterly reports to the U.S. Department of the Treasury on areas such as, but not limited to: spending rates, number of households served, household demographics, etc. In addition, the cloud/web based software will need to provide applicants, service provider(s), and DHCD with the ability to track the status of an application's status in terms of completion progress, attachment of required documents, review by processors, negotiation(s) from processors to applicants, approval time, length of time within each status level, approval date, payment date, and allow for constituents to return for multiple rounds of assistance while ensuring there are no duplicative payments for a time period to either a landlord or a tenant, and tracking payments across multiple funding sources.

Project Scope:

This project will allow DHCD to streamline the process for executing the Rent Relief Program. As Virginia Housing exits their current role of managing the Landlord portion of the program, DHCD will take over the entire execution of the program. Procuring services and systems to continue to provide first class service to those needing assistance is crucial to the role DHCD has been given with this program.

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Project Formal Title: Digitize Bridge Inspection Reports Project

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Project Initiation Approval

Project Description:

VDOT needs to select and implement a modern, automated inspection software tool that efficiently captures key data, streamlines workflows, integrates data across key systems, and accelerates development of reports and analysis.

Project Scope:

The Digital Bridge Inspection Report Project will transition VDOT Bridge inspections from a manual paper-based bridge inspection system to an automated, digital system. This system will provide out-of-the-box integration with AASHTOWare Bridge Management (BrM) in a Commercial off the Shelf (COTS) package that is cloud based and meets ECOS certification requirements. Mobile data collection will be enabled during inspections and access to historical bridge inspection reports will be available to bridge inspectors on-site without network connectivity. The software will enable an automated yet configurable report development process. The solution will include functionality for tabular data entry, and the ability to generate sketches and drawings. The solution will provide data synchronization once wireless connectivity is restored. Multiple users and mobile devices will be able to work simultaneously on the same inspection report. Across the Commonwealth of Virginia, a minimum of 200 users may have simultaneous access without degradation of performance, and single sign-on shall be enabled to the COV network. There shall be customizable functionality to store relevant inspection cost data, customizable form creation inspection report creation, which will eliminate the largely manual existing process of inspection report development. The application will function on all VDOT devices (laptop, tablet, and mobile), and shall be hosted on a vendor-provided cloud using commercial off-the-shelf software configured to accommodate specific VDOT requirements.

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Project Formal Title: DMV Project 2021: Re-platform CSS Mainframe Apps

Agency: Department of Motor Vehicles (DMV)

Secretariat: Transportation

Investment Status: Project Initiation Approval

Project Description:

Citizen Services System (CSS) is Virginia DMV's mainframe based application and system of record for storing information on customers to include addresses, driver history, vehicle registration, titling information, insurance and financial transactions as major data categories. CSS is running in the OS/390 environment at VITA. DMV's CSS application programs are built using the Software AG products ADABAS, Natural, Predict, EntireX/Broker and COMPLETE.

Project intent is to migrate existing Software AG based applications off of the mainframe, re-platform the infrastructure on Microsoft Windows servers, and modernize the ADABAS database to Microsoft SQL Server.

Project Scope:

This project is a critical part of the DMV's transition to a completely functional replatformed mainframe environment. At a minimum, the project must deliver replatformed mainframe applications and data that:

- Executes replatformed functionally equivalent .Net/C# and SQL code in the new target environment at the same or better performance;
- Re-integrates all current interfaces;
- Results in consistent or greater functionality in the target environment;
- Results in similar interruption of service or better.

In order for DMV to retire its use of the mainframe, all system components must be replatformed on the new platform. These system components include but are not limited to:

- Application code (predominately Natural with a very small subset of COBOL and Assembler)
- Databases (ADABAS)
- Batch / JCL
- Integrations
- Print sub-systems
- Data warehouses for Audit and Privacy

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The Project will replatform existing applications and data from the mainframe operating system and hardware platform environment to a fully functional future state environment. The Services provided by this project must identify all licensing and supporting software necessary to support the DMV solution in the new target environment.

Additional information on the breadth and scale of the application components in scope are included in a separate document.

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Project Formal Title: DMV Project 2022: dmvNOW Website Technical Rebuild

Agency: Department of Motor Vehicles (DMV)

Secretariat: Transportation

Investment Status: Project Initiation Approval

Project Description:

Citizen Services System (CSS) is Virginia DMV's mainframe based application and system of record for storing information on customers to include addresses, driver history, vehicle registration, titling information, insurance and financial transactions as major data categories. CSS is running in the OS/390 environment at VITA. DMV's CSS application programs are built using the Software AG products ADABAS, Natural, Predict, EntireX/Broker and COMPLETE.

Project intent is to migrate existing Software AG based applications off of the mainframe, re-platform the infrastructure on Microsoft Windows servers, and modernize the ADABAS database to Microsoft SQL Server.

Project Scope:

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- Re-integrates all current interfaces;
- Results in consistent or greater functionality in the target environment;
- Results in similar interruption of service or better.

In order for DMV to retire its use of the mainframe, all system components must be replatformed on the new platform. These system components include but are not limited to:

- Application code (predominately Natural with a very small subset of COBOL and Assembler)
- Databases (ADABAS)
- Batch / JCL
- Integrations
- Print sub-systems

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- Data warehouses for Audit and Privacy

The Project will replatform existing applications and data from the mainframe operating system and hardware platform environment to a fully functional future state environment. The Services provided by this project must identify all licensing and supporting software necessary to support the DMV solution in the new target environment.

Additional information on the breadth and scale of the application components in scope are included in a separate document.

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Project Formal Title: DOLI Dynamics Deployment Project

Agency: Department of Labor & Industry (DOLI)

Secretariat: Labor

Investment Status: Project Initiation Approval

Project Description:

Microsoft Consulting Services will work with agency to customize Microsoft Dynamics, CE and F&O to replace agency's legacy Oracle applications. DOLI has submitted RFS (PRJ0012920) to set up Azure services through VITA.

The Microsoft Consulting Services PGR supports this project. DOLI committed to an SOW with Microsoft that conforms to the VITA standard and contains all of the essential elements to plan and execute a successful project.

Project Scope:

Microsoft will develop applications using configuration of Microsoft Dynamics 365 and Power BI. The four applications will be used for the separate business applications, user groups and use cases under the same tenant.

Workstream 1:

Microsoft Dynamics 365 ERP Finance and Operations; 25 processes described in attached SOW; including:

- Accounts Receivable
- General Ledger
- System Framework
- Power BI reporting (44 reports)

Workstream 2:

Microsoft 365 Dynamics Customer Engagement:

- Payroll Investigations and Lead & Asbestos Abatement

Workstream 3:

Microsoft 365 Dynamics Customer Engagement:

- Legal Case Management

DOLI will provide Microsoft with the existing data and Microsoft will migrate, convert, and load the data.

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Project Formal Title: EAP Percentage of Income Payment Program (CR671)

Agency: Department of Social Services (DSS)

Secretariat: Health & Human Resources

Investment Status: Project Initiation Approval

Project Description:

Virginia HB2330 established the Percentage of Income Payment Plan (PIPP) as a component of the Energy Assistance Program (EAP). PIPP is to assist low-income customers of Dominion and APCo/AEP in Virginia with paying their electricity bills.

VaCMS will be modified to allow the submission of EAP-PIPP applications by Call Center workers. The changes made to RDE will allow PIPP applications to be submitted anytime during the year. The assumption is that CommonHelp will be modified by VDSS to allow residents to apply from CommonHelp where CommonHelp will also allow PIPP applications to be submitted anytime during the year.

Cases approved for EAP PIPP components will be referred to the Department of Housing and Community Development (DHCD) for audit purposes. An interface with DHCD will be created in VaCMS to include the EAP PIPP approved cases in a daily fixed length file that will be sent to DHCD.

Project Scope:

Virginia HB2330 established the Percentage of Income Payment Plan (PIPP) as a component of the Energy Assistance Program (EAP). PIPP is to assist low-income customers of Dominion and APCo/AEP in Virginia with paying their electricity bills. The following changes will be made to VaCMS to enable this component of EAP.

- Changes to RDE and CommonHelp
- EAP Inbox and EAP Data Collection
- Eligibility, Correspondence, and Batches
- Reports
- Referral to Department of Housing and Community Development (DHCD)

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Project Formal Title: Early Childhood Licensing - IDM Project

Agency: Department of Education (DOE)

Secretariat: Education

Investment Status: Project Initiation Approval

Project Description:

Division of Licensing Programs Help and Information Network (DOLPHIN) is the current application that VDOE Licensing Programs uses to conduct inspections and track licensure case load and stats for Child Welfare and Children's programs. DOLPHIN is a 17-year old legacy system. The application has two components: Versa Regulations (VR), the database and Versa Mobile (VM), a tool utilized for synchronization to VR. The Division of Licensing Programs has the opportunity to obtain a new customer-centric application that will fully align with its business and public sector technological modernization needs. The strategic technical plan for the new application is to ensure business requirements, workflow processes, interfaces and conversion of data from the existing application are included. Specifically, the two-way interface with VaCMS designed for Subsidy facilities that are marked as Open or Closed for purposes of receiving federal funding from the Child Care Discretionary Fund is a must. Specific data fields such as the Legal Entity of Record (LEOR) must be integrated in the new application. The new application must interface with the Background Information System (BIS) to generate a Fieldprint code that is provided to new or existing children's facilities that are required to secure Fieldprint fingerprint - related background information for employees and/or volunteers from the third-party vendor Fieldprint. Once a fingerprint scan is done, Fieldprint stores all confidential information in a MyFieldprint website portal designed for BIS staff's use. Staff can view individual, weekly and monthly fingerprint requests and associated details.

Project Scope:

Implementation of the VERSA:Regulation (VR) application that supports all back-office licensing and regulatory functions, along with supporting enforcement, cash, workflow, and inspection modules. This application will be used by back-office staff to support and maintain all regulatory information (data and documents) require by both the Authorized User and Virginia Department of Social Services (VADSS).

This implementation will involve migrating all licensing and regulatory data, documents, and configuration from the existing VERSA:Regulation application currently contracted with VADSS. All existing configuration, that maintains all back-office business data elements and characteristics, will also be migrated. During this automated migration, Tyler will also correct/merge any existing duplicate Entity information using matching criteria supplied by the client (Authorized User and VADSS) and purge any old data that is no longer required.

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All customizations and interfaces implemented on the existing VERSA:Regulation application, contracted by VADSS, will also be migrated to the latest version of VERSA.

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Project Formal Title: Early Intervention Part C Data System (ITOTS)

Agency: Department of Behavioral Health and Development (DBHDS)

Secretariat: Health & Human Resources

Investment Status: Project Initiation Approval

Project Description:

Purchase a comprehensive early intervention data system to replace the current Infant and Toddler Online Tracking system (ITOTS).

Project Scope:

The new system will:

- Combine two applications; Practitioner Certification and ITOTS into one application with greatly increased functionality;
- Reduce the many separate and distinct case management systems which are used by local Early Intervention Part C agencies;
- Eliminate the need for submission of Fiscal data in Excel spreadsheet by 40 local Early Intervention Part C agencies as DBHDS will be able to access the data; and
- A new data system would eliminate the need for local agencies to enter data into their local system and then in the state system.
- Ability to meet state and federal reporting requirements and address data requests from other agencies and organizations with complete, accurate and timely data;
- Ability to connect and analyze data at a more sophisticated level in order to plan system improvements, including identifying and addressing any subgroup differences in child and family outcomes;
- Effective budgeting and fiscal forecasting at state and local levels;
- Ability to evaluate and revise the allocation formula to ensure equitable distribution of federal and state Part C funds based on need;
- Maximize local revenue from Insurance & DMAS by collecting sufficient information for billing;
- Improved efficiency at state and local levels with elimination of paper processes and duplicate data entry that's required with ITOTS for local systems that have their own local data system;
- Consistent data and reporting availability across all local systems;
- Improved compliance with federal and state requirements as a result of built-in edit checks and reminders;
- Efficiency with job tasks, including documentation;
- Improved responsiveness to family needs with ability to access information and forms in the field;

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- Potential to get children and families into services more quickly as a result of scheduling functionality and reduction in paper processes;
- Increased referrals and more efficient referral process; and
- Improved collaboration among team members supporting the child and family since contract agency providers would now have access to the system and documentation could be shared efficiently.

Appendix C – 2023 Major IT Project Descriptions

Project Formal Title: eGovernment Self Help Expansion My Virginia TAX

Agency: Department of Taxation (TAX)

Secretariat: Finance

Investment Status: Investment Business Case Approval

Project Description:

My Virginia TAX is the Department's version of "My Account" which will allow taxpayers (individuals and businesses) to access their data/information online with the use of a more robust single sign-on/ authentication portal with security questions to allow for self-service when they forget their password. Today TAX maintains multiple systems with multiple Login entry points. Taxpayers have long complained about not being able to go one place on our website to access our online systems. The My Virginia TAX concept would include an improved version of the functionality we provide today, as well as provide new functionality that is not there today. Taxpayers would be able to electronically file and pay any tax. Taxpayers would be able to access a complete history of their account including past filings, payments made, refunds issued (including Where's My Refund status while pending), correspondence that was sent assessments/bills pending (and paid).

Project Scope:

My Virginia TAX is the Department's version of "My Account" which will allow taxpayers (individuals and businesses) to access their data/information online with the use of a more robust single sign-on/ authentication portal with security questions to allow for self-service when they forget their password.

Today TAX maintains multiple systems with multiple Login entry points. Taxpayers have long complained about not being able to go one place on our website to access our online systems.

The My Virginia TAX concept would include an improved version of the functionality we provide today, as well as provide new functionality that is not there today.

Taxpayers would be able to electronically file and pay any tax.

Appendix C – 2023 Major IT Project Descriptions

Project Formal Title: Electronic Health Record Project

Agency: Department of Health (VDH)

Secretariat: Health & Human Resources

Investment Status: Investment Business Case Approval

Project Description:

VDH will be looking for a SaaS solution to implement a public health electronic health records (EHR) system that will provide secure, real-time access to patient care and outcomes, analytical reporting, interoperability between systems and to ultimately ensure clinical and program standards throughout the Commonwealth of Virginia. The solution will facilitate the collection of clinical, laboratory, billing, scheduling, and other health related information.

Project Scope:

The ability for the Virginia Department of Health (VDH) to obtain a Public Health focused, comprehensive, interoperable EHR solution that will facilitate the collection of clinical, laboratory, billing, scheduling, and other health related information is a critical need. This need has been further accentuated by the recent COVID-19 public health response. The lack of a robust and integrated technical infrastructure impacted health outcomes leading to a higher likelihood of missed opportunities in timely public health interventions such as testing and contact tracing. Public Health EHR systems can not only help with a pandemic response but can be a powerful tool to assess and improve population health outcomes as well through real-time reporting and data analysis.

VDH is seeking to procure a Public Health-focused, Commercial Off the Shelf (COTS) tool that is Cloud hosted to replace its legacy patient demographic and billing system (WebVISION) that was developed by VDH. The agency seeks to interface with existing single programmatic solutions such as the Virginia Information Immunization System (VIIS) and serve as the main repository of information across multiple clinical services programs including Family Planning, women's health, maternity, STD, HIV, TB, BabyCare, Pre-Admission Screenings for Medicaid Long Term Care, Refugee Services, Early Childhood Intervention Program, Resource Mothers, School Physicals, Opioid Education & Counseling, and immunization. This solution will offer strong data analytics for improving public health outcomes, comply with patient safety and regulatory standards, including the Health Insurance Portability and Accountability Act (HIPAA) of 1996. The goal is to deploy this capability across 120 clinic sites to serve over 250,000 patients or 400,000 clinical encounters per year. Through the use of a Public Health EHR system and health information exchanges (HIE), VDH can leverage health information technology to efficiently collect and share data, reduce cost, improve emergency response, and make more timely diagnosis of health conditions that improve not only individual health, but also impacts population health across our in communities in the Commonwealth.

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Project Formal Title: Electronic Healthcare Records

Agency: Department of Corrections (DOC)

Secretariat: Public Safety and Homeland Security

Investment Status: Project Initiation Approval

Project Description:

Through the implementation of the VADOC EHR solution, the agency will be able to realize improvements in service delivery, greater accessibility of data and data sharing, improved communications and collaboration across the medical services staff, and greater coordination of care. Currently, offender health records are either kept on paper or in an information system which is not integrated with CORIS. VADOC relies on manual processes and paper forms for the delivery, management, and administration of all offender health services. These manual processes are less effective and efficient than would be the case with an EHR. A successful implementation of the VADOC EHR will institute private industry best practices in our electronic information and data exchange, resulting in greater efficiencies in the administration, services, and processes of the agency. While an EHR implementation at the VADOC is a new endeavor for the agency, it has quickly become a standard in the medical industry.

Project Scope:

Create an Electronic Health Records solution that will interface with VirginiaCORIS (the DOC Offender Management System). The solution will replace the existing paper health record for offenders, and automate the process for health records

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Project Formal Title: Federal Program Management Application PROJ

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Investment Business Case Approval

Project Description:

The State Transportation Improvement Program (STIP) database within the Integrated Six-Year Program (iSYP) suite is fragile, unstable and prone to outages. According to the business area, when the STIP database was developed it initially only met some of the department's needs and has never reached the full potential desired by Budget and Funding Management Division (BFMD) or its predecessor divisions. The Federal Strategy database was built using an MS-Access database and is outdated and unreliable. The patchwork of systems lacks transparency, is not conducive to implementing federal requirement changes, and results in a myriad of standalone spreadsheets used to perform the associated project analyses. Incomplete and inadequate reporting functionality means, in some cases, manual report manipulation and/or generation and reliance on division technical experts to run many reports. The current applications do not allow for multi-year planning in an integrated way despite the fact that the business needs of the department dictate the need for multi-year planning and the ability to develop a true Federal Strategy. A lack of integration among the many federal, VDOT and BFMD systems creates many unwelcome opportunities for duplication of effort and rework among the BFMD teams and their stakeholders.

Project Scope:

The STIP database within the Integrated Six-Year Program (iSYP) suite is fragile, unstable and prone to outages. According to the business area, when the STIP database was developed it initially only met some of the department's needs and has never reached the full potential desired by BFMD or its predecessor divisions. The Federal Strategy database was built using an MS-Access database and is outdated and unreliable. The patchwork of systems lacks transparency, is not conducive to implementing federal requirement changes, and results in a myriad of standalone spreadsheets used to perform the associated project analyses. Incomplete and inadequate reporting functionality means, in some cases, manual report manipulation and/or generation and reliance on division technical experts to run many reports. The current applications do not allow for multi-year planning in an integrated way despite the fact that the business needs of the department dictate the need for multi-year planning and the ability to develop a true Federal Strategy. A lack of integration among the many federal, VDOT and BFMD systems creates many unwelcome opportunities for duplication of effort and rework among the BFMD teams and their stakeholders.

Appendix C – 2023 Major IT Project Descriptions

Project Formal Title: Financial Management System Upgrade

Agency: Virginia Employment Commission (VEC)

Secretariat: Labor

Investment Status: Project Initiation Approval

Project Description:

Upgrade VEC's Oracle E-Business Suite application to a newer version. This also involves upgrading the underlying Oracle database version. Work to be done by contractor and will be hosted within VITA's Oracle Cloud Infrastructure.

Project Scope:

Upgrade VEC's Oracle E-Business Suite application to newer version. This also involves upgrading the underlying Oracle database version. Work to be done by contractor. There are batch file exchanges with Cardinal.

NOTE: This project is not an EO19 effort. The EO19 effort of migrating physical servers to virtual servers is being done through demand DMND0003277 to transition the EBS supporting infrastructure over to the Oracle Cloud Infrastructure (OCI).

Appendix C – 2023 Major IT Project Descriptions

Project Formal Title: Fuel Hardware and Software Replacement Project

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Project Initiation Approval

Project Description:

The project objective is to replace E.J. Ward with a new module from the AssetWorks M5 System, (FuelFocus). This module will be hosted at QTS. E.J. Ward fuel terminal hardware will also be replaced and firewalls installed to support each fuel terminal.

Integrations with other VDOT systems will be created for the FuelFocus software. They will be created by a combination of Vendor and VDOT resources.

Installation of fuel terminals will be performed by the Vendor. Firewall installation and circuit upgrades, if needed, will be performed by VITA.

Scope:

Replace VDOT's existing E. J. Ward Fuel System that supports a fleet of 6,000 VDOT vehicles and provides fuel services to other state agencies. This includes replacing 254 existing Fuel Control Terminals (hardware) located throughout all nine VDOT districts, implementing a new module (Fuel Focus) of the AssetWorks M5 system already in use for fleet management at VDOT, and adding integrations to the Fuel Focus module. Some of the sites will need new or replacement firewalls and upgraded network connectivity as part of the rollout. Extensive research, along with a Proof of Concept (POC) at two fuel sites, has determined that completely replacing the EJ Ward System with AssetWorks Fuel Focus RFC2500 is the best path forward for the Agency. The E. J. Ward fuel terminals are obsolete, and E. J. Ward communicated to VDOT that spare parts are no longer available. VDOT is currently purchasing spare fuel terminal parts on eBay, from other states to mitigate this problem. A complete replacement of the EJ Ward solution is the indicated solution.

Appendix C – 2023 Major IT Project Descriptions

Project Formal Title: Human Capital Management Cloud Implementation Project

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Project Initiation Approval

Project Description:

VDOT HR is looking to implement an integrated SaaS solution to replace several HR systems that are outdated and are unsupported or are using soon to be unsupported technologies. The SaaS solution will automate the processes and sub processes involved in recruiting, hiring, onboarding, performance management, compensation, health and safety, HR administration, succession, and the HR help desk. The solution will support agency initiatives such as VDOT of Tomorrow, the Agency Business Plan, and the Governor's mandate for Cloud Technology.

Scope:

VDOT will replace the following seven HR Applications with Oracle's Human Capital Management SaaS Solution.

1. HR Works!. VDOT's custom HR workflow system.
2. Injury, Illness, and Occurrence (IIO) Reporting tool. This application is for VDOT personnel to report workplace injuries so that they can be reported to OSHA which is a Federal mandate.
3. Telework Agreement.
4. Transitional Work Assignment. These two applications are used to manage the roughly 2,000 VDOT personnel with telework or transitional work agreements. This number is expected to grow to accommodate workplace changes due to the pandemic and to provide annual reporting for EO-109 compliance.
5. Civility Tool. This application processes employee complaints associated with DHRM's civility policy.
6. Q&A - This is a legacy application used to generate our Compensation Planning and analysis, process market data for VDOT salary ranges and generate the content used by other tools and executive reporting.
7. Org Publisher. This tool provides interactive Org Charts and data visualizations for Agency decision making and tracking.

And will convert a number of manual processes to automated ones via the Supplier engagement and implementation of the Oracle capabilities.

Appendix C – 2023 Major IT Project Descriptions

Project Formal Title: Instructional Improvement System Project - 2020

Agency: Department of Education (DOE)

Secretariat: Education

Investment Status: Project Initiation Approval

Project Description:

DOE plans software development using a vendor on Virginia's state-wide contract. The system will provide the DOE and school divisions with data analytics in the areas of accreditation and early warning system on school and student performance. The software end product will be hosted by VITA Amazon Web Services and will utilize Tableau to display graphical data. Off-the-shelf software is not out available in the marketplace- the VA accreditation system is unique and specific to the state and there wouldn't be a commercial product for it.

Project Scope:

Who: School divisions need a better, more comprehensive way to organize and visualize student data in a way to projects a clear picture of projected student success or risk for failure. The system we are designing will help them do that as well as organize and view accreditation data and monitor overall school progress.

What: School and student success depends on a more understandable way to predict student and overall school performance early enough to intervene and prevent student failure.

Where: This system will be available for all school divisions in future phases. This phase includes only Orange County Public Schools. The system itself will be housed on VITA's AWS, but each division will have access to their own portion of the software. Each division will only have access to their own data.

Why: DOE exists to assist school divisions find more effective and innovative ways to help students succeed. This visualization will greatly add to the ability of school divisions to offer extra attention and support to at risk students who need it early enough to prevent student failure.

Appendix C – 2023 Major IT Project Descriptions

Project Formal Title: Land Use and Outdoor Advertising Permit Processes

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Project Initiation Approval

Project Description:

The Office of Land Use and Outdoor Advertising (OA) utilize 3 systems for permitting: The Land Use Permit System (LUPS) is used to issue and track land use permits as well as collect sureties and fees; The Online Application allows citizens, localities, corporations, and utility companies to submit permit applications and pay the fees; and the Outdoor Advertising, an MS Access database in conjunction with GIS and a GIS plugin to manage their day to day business of issuing and controlling sign permits. The permitting process between LU and OA are similar, however, it is the desire of the business to find a single solution that will address the needs of both groups if possible.

The business wants a permit system that is more streamlined, has less user intervention (more automated than the current system), and interfaces with the GIS system that can be used for both Land Use and Outdoor Advertising. The system should reduce cycle time and improve the accuracy of managing permits.

Project Scope:

The scope of this project is to create the current state and desired state maps, create the task charts, identify the pain points and to elicit and document the requirements for the management of Land Use permits. The scope of the systems or processes is the Land Use permit management system starting with the permit application request and ending at closing a permit. This includes the online application website and the "Land Use Permit System" (LUPS) systems.

The processes included are:

- Submitting an application
- Receiving an application
- Reviewing an application
- Permit resolution
- Permit finalization

The interfaces that are in scope are the interface between the website and LUPS as well as the interface between LUPS and VDOT's financial system.

Appendix C – 2023 Major IT Project Descriptions

Project Formal Title: Medicaid Dental Program

Agency: Department of Medical Assistance Services (DMAS)

Secretariat: Health and Human Resources

Investment Status: Project Initiation Approval

Project Description:

Two major drivers have affected the timeline for all RFPs and many contracts at DMAS: 1) the moving of the Medicaid Enterprise System (MES) implementation date from December 1, 2019 until mid-year 2020, and 2) the recently passed high-risk legislation effective July 1, 2019. Both drivers have required DMAS as a whole to re-evaluate release dates and timing for all of the agency's upcoming RFPs, as well as existing contract renewals and modifications. Once an anticipated timeline for the Smiles For Children RFP has been formalized, we will communicate to the vendor community. With the anticipated RFP, the Department is again interested in gathering information on the latest industry best practices, technologies, and resources for Medicaid dental health services and supports. DMAS invites providers, plans, and other entities with experience in Medicaid dental health program benefits administration to present and submit (no more than a 20 page document), including appendices, information and resources which available in the Medicaid dental market.

Project Scope:

Implement Dental processing services provided by the winning vendor. The transaction processing will take place at the vendor, and DMAS will send and receive outputs and inputs.

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Project Formal Title: Messaging - Agency Transition Project

Agency: Virginia IT Agency (VITA)

Secretariat: Administration

Investment Status: Project Initiation Approval

Project Description:

This project transitions from the legacy messaging and directory services provider(s) to Tempus Nova, the messaging services supplier for email, enterprise collaboration services, and mobile device management for the required Commonwealth 55,000+ users and other public bodies. The project will be complete when VITA has transitioned to the ongoing Operations and Support mode with the winning supplier.

Project Scope:

The high level scope of the project entails the procurement and implementation as part of the IT Sourcing Strategy Program (ITSSP) of mission critical Messaging, Enterprise Collaboration and Mobile Device Management (MDM) Services, transitioning the new services to ongoing operations and maintenance and disentanglement from Northrop Grumman.

VITA awarded the contract for email and related messaging services to Tempus Nova, a Small, Women-owned and Minority-owned (SWaM) certified business, specializing in Google solutions.

Tempus Nova will provide a flexible solution offering a variety of choices for agencies, including options for continued use of existing email software and unlimited storage. The request for proposal (RFP) included email, enterprise collaboration services, directory services and authentication, and mobile device management. No proposals were received for directory services. These services will be addressed in subsequent RFPs.

Tempus Nova recommends a phased approach, which is endorsed by the Google Deployment Team as a best practice and results in a more successful transition to the Google Apps solution. Tempus Nova recommends three phases (e.g., Phase I Core IT; Phase II Early Adopters; Phase IIIa, IIIb, and IIIc Remaining Users) well planned deployment phases, each addressing a specific group of users: Core IT, Early Adopters, and Remaining Users.

Appendix C – 2023 Major IT Project Descriptions

Project Formal Title: Multimodal Mobility Enhancement DI Project

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Project Initiation Approval

Project Description:

Dynamic Incentivization (DI) will be a data-driven solution offering the public incentives to modify their travel choices and behaviors. The DI will consist of three initiatives. It will offer dynamic incentives which are generated in real-time in response to transportation conditions. Those incentives will be structured to encourage travelers to change their trip in order to reduce the impact of the incidents on the transportation network. There will also be an ongoing loyalty program and periodic challenges which reward travelers for using shared or active (pedestrian, bicycle, etc.) modes to help sustain commuters' interest and promote long-term behavioral changes. The DI will include a set of back-end services which offer incentives, verify compliance with incentivized behavior(s), and distribute rewards. Multiple apps including the existing incentive app in the DC region provided by the Metropolitan Washington Council of Government (MWCOCG) will be able to access the services via APIs, and the public will potentially have the option to choose which app they want to use to access incentives. This procurement will award a backend system developer and up to two apps customized to offer all required features. VDOT plans to procure services via the Request for Proposal (RFP) process.

Project Scope:

DI is to be furnished as Software-as-a-Service (SaaS), providing the functionality to offer incentives to the public for changing mode, route, or departure time in ways that lessen the overall impact of congestion and incidents for travelers in Northern Virginia. The goal of DI is to incentivize and reward a relatively small number of commuters who have the willingness and flexibility to safely change their travel patterns in a manner that improves the efficiency of the transportation network as a whole. An additional goal of the solution is to change travel behaviors in the long-term, so the solution will also reward travelers for continued use of travel modes that reduce or eliminate single-occupancy vehicle (SOV) trips. While the initial deployment of DI will be limited to Northern Virginia, the solution will be capable of scaling to other parts of the Commonwealth. Incentives will be organized into three complementary programs, all intended to encourage behavior changes that reduce the impacts of incidents and planned events and decrease usage of SOVs:

- Dynamic Incentives - Created in real time in response to incidents;

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- Challenges - Short-term incentives in response to planned events (e.g., construction, Metro station maintenance closures) or to reinforce specific behaviors; and
- Loyalty Incentives - Long-term incentives to reinforce the use of active and shared modes.

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Project Formal Title: ODW SRF Modernization Project

Agency: Department of Health (VDH)

Secretariat: Health & Human Resources

Investment Status: Project Initiation Approval

Project Description:

The Office of Drinking Water (ODW) is looking to modernize its Drinking Water State Revolving Fund (DWSRF) program to improve productivity and better serve citizens and customers. The Office of Drinking Water is seeking to:

- Automate and streamline business processes to significantly reduce and/or remove current manual tasks
- Streamline data collection, increase data quality, and simplify data storage with MS Power Apps leveraging Microsoft SQL Server
- Manage and store documents leveraging SharePoint Online
- Develop an external portal that will simplify funding application and tracking
- Facilitate quick and accurate data reporting

Project Scope:

The Virginia Drinking Water State Revolving Loan Fund (DWSRF) program has a need for a centralized online system to digitize and streamline workflows for managing and tracking the financial and technical assistance it provides to waterworks owners and other recipients. The program recently completed an effort to identify business and technology opportunities that will improve operational efficiency, allow more accurate reporting and analysis, facilitate planning, and support better decision making. Currently, the program has siloed data and technology frameworks, which includes a 14-year-old system combined with manually tracked spreadsheets and other documents. DWSRF is looking to modernize and implement Microsoft 365 Power Automate and Power Apps (MS PowerApps). This solution will realize benefits including:

- Process efficiency, standardization, and modernization
- A central data repository ensuring data quality
- Integrated document management
- Improved reporting and decision making

This project will encompass the following activities related to the Virginia DWSRF's efforts to implement the new system: (1) Project Planning & Environment Set-Up, (2) Data Analysis and Migration Strategy, (3) System Design and Development and (4) Implementation and Change Management Support.

This project will transform the following six (6) DWSRF processes:

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- Construction Projects
- LEAP Projects
- Planning & Design Grants
- Small Project Engineering Services (SPES)
- EPA Capitalization Grant Reporting
- Consent Order

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Project Formal Title: Offender GPS Tracking System Project

Agency: Department of Corrections (DOC)

Secretariat: Public Safety & Homeland Security

Investment Status: Investment Business Case Approval

Project Description:

The Virginia Department of Corrections (VADOC) is planning a procurement to competitively recompetete via RFP on an expiring contract for a Global Positioning System (GPS) electronic tracking service and equipment. The Department of Corrections is seeking to procure a cloud-based solution. This procurement ensures VADOC will continue to comply with the Code of Virginia.

Project Scope:

Effective July 1, 2006, the Commonwealth of Virginia required that certain offenders be placed on electronic monitoring. Per the Code of Virginia statute 19.2-295.2:1 certain sex offenders under supervision for failure to register should be subject to electronic monitoring by means of a Global Positioning System (GPS) tracking device, or other similar device. First time offenders convicted of Misdemeanor Fail to Register as a Sex Offender are required to be on electronic monitoring for six (6) months and first time offenders convicted of Felony Fail to Register as a Sex Offender must be on electronic monitoring for two (2) years; repeat offenders must be on electronic monitoring two (2) years for a second or subsequent misdemeanor conviction and five (5) years for a second or subsequent felony conviction. The Code of Virginia statute 37.2-908 states that individuals deemed to be a Sexual Violent Predator are subject to electronic monitoring of their location by means of a GPS tracking device, or other similar device, at all times while on conditional release. Additionally, the Code of Virginia statute 19.2-303 provides that offenders under supervision for certain sexual offenses should be subjected to electronic monitoring. Sex offenders who do not fit in any of the aforementioned categories may be placed on electronic monitoring as mandated by the Department of Corrections policy or as a sanction.

Initially, the Department of Corrections utilized Active and Passive GPS before transitioning to Active GPS only. Currently, the Department of Corrections has 706 individuals on GPS. Although the majority are sex offenders, there are some offenders who are placed on electronic monitoring/GPS due to a high-risk background such as murder or gang affiliation, and a few locations utilize GPS monitoring for Drug Court participants. There is the expectation that the number on GPS will continue to increase, particularly due to the mandated number of years that sex offenders are required to be on GPS/electronic monitoring.

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Provide a system that, at a minimum, should be capable of electronically monitoring an offender's presence at or absence from locations within the Commonwealth of Virginia and other locations. The system should also record the offender's recent movements in the community. The tracking system should be a continuous signaling, GPS portable tracking unit capable of reporting in real-time the continuous location of offenders (active).

- Provide a wearable GPS tracking device for offender monitoring under ISO 9000 Certification Standards for quality control. Additionally, equipment provided by a Contractor should satisfy, at a minimum, performance standards specified in the National Institute of Justice Standard Offender Tracking Systems- NIJ-1004.00.
- Provide tracking equipment, which should be leased by the DOC that should be of the latest technology available from the manufacturer. Throughout the life of the contract and at no additional cost to the state, the Contractor should provide the DOC with the latest equipment model.
- Furnish, at no additional cost to the DOC, all updates and upgrades for all equipment and software.
- Provide tracking equipment that should have the capability to identify the offender assigned to each individual unit.
- Provide tracking equipment that should use standard telephone lines, cell service and/or Wi-Fi to communicate between the individual GPS tracking devices and the monitoring system. All telecommunications charges should be included in the daily unit cost.
- Provide prior to the commencement of the contract and presentation of the tracking equipment, certification that the equipment being presented to the DOC is new and is the manufacturer's latest model. Confirmation of this should be made in writing to the contract Administrator prior to the commencement of this contract.

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Project Formal Title: Oracle EPM implementation Project

Agency: Virginia IT Agency (VITA)

Secretariat: Administration

Investment Status: Project Initiation Approval

Project Description:

Implementation of the Oracle EPM solution, which is a cloud-based tool to be used for VITA's internal budget and forecasting process.

Project Scope:

Implementation of the Oracle EPM solution, which is a cloud-based application to be used for VITA's internal budget and forecasting process. This will include consultant work Oracle licensing, ECOS approval, etc. VITA will purchase from the Mythics contract. The EPM solution will integrate with VITA PeopleSoft through ODI. A data warehouse will be developed, and PowerBI will be used for data analytics and reporting. After implementation, there will be six months of maintenance and support from the same Alpine team.

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Project Formal Title: OT Service and Asset Management Solution Project

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Project Initiation Approval

Project Description:

VDOT currently uses several tools to manage information for assets connected to the OT (Operations Technology) environment. The existing tools capture independent information about OT assets. This effort will fully integrate VDOT OT assets into a single statewide consistent approach.

All edge devices (e.g., traffic signals, highway message signs, highway cameras), cabinets, network switches, firewalls, TOC servers/desktops, etc. and other digital component asset information will be maintained in a statewide system, identified as Operations Technology Service and Asset Management (OTSaAM).

Project Scope:

VDOT will ask Suppliers to provide the following services:

- Develop detailed technical design for VDOT's OTSaAM including connections to the Security Operation Center, the Identity and Access Management solution, Statewide Traffic Signal System, OSPInsight, and the Statewide ATMS
- Implement CalmEAM as the OTSaAM, including the data integration of existing signal assets from HMMS
- Implement an OT Network Operations Center (NOC) to serve all aspects of OT

The contracts resulting from these procurements will ensure Operations Technology is secure, resilient, and compliant with applicable polices and standards, and will enable VDOT to address and remediate finding identified in the 2018 OT Cybersecurity Assessment."

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Project Formal Title: PPE Lane and Software Upgrade Project

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Project Initiation Approval

Project Description:

VDOT will install new multi-protocol tag readers, and software upgrades to bring the legacy installations for toll violations, and back-office integration modules for VDOT to meet the new EZ-Pass interface requirements that are anticipated to be in place EZ-Pass wide this coming calendar year. (PPE stands for Powhite Parkway Extension).

Project Scope:

New multi-protocol tag readers, and software upgrades to bring the legacy installations for toll violations, and back-office integration modules current for VDOT to meet the new EZ-Pass interoperability interface requirements that are anticipated to be in place EZ-Pass wide this coming calendar year. (PPE stands for Powhite Parkway Extension).

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Project Formal Title: Pre-trial Community Corrections System Replacement

Agency: Department of Criminal Justice Services (DCJS)

Secretariat: Public Safety & Homeland Security

Investment Status: Investment Business Case Approval

Project Description:

The Pre-trial Community Corrections Case Management application is written in VB6 and lives locally on customer computers. We have 37 jail localities that are required to use this system to carry out the mandates in the Virginia Code § 9.117 et seq. (Comprehensive Community Corrections Act for Local- Responsible Offenders) and § 19.2-152.2 et seq. (Pretrial Services Act).

We confirm that this procurement is in accord with the Chief of Staff April 2 memorandum, which outlined a number of measures to reduce or eliminate agency spending due to the COVID-19 crisis. We have also attained all internal and external budget approvals necessary to complete this transaction.

Project Scope:

The Pre-trial Community Corrections Case Management application is in place to carry out the mandates in the Virginia Code § 9.117 et seq. (Comprehensive Community Corrections Act for Local- Responsible Offenders) and § 19.2-152.2 et seq. (Pretrial Services Act). This system benefits the Local Pretrial Services Agencies and Local Probation Agencies.

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Project Formal Title: Primary Election System - Project

Agency: Department of Elections (ELECT)

Secretariat: Administration

Investment Status: Project Initiation Approval

Project Description:

ELECT is seeking a solution to replace its current system known as the Virginia Election and Registration Information System (VERIS). VERIS is antiquated and the technology is soon to reach end-of-life; preference is for a cloud-based solution to enhance efficiencies and availability, in order to meet the critical needs of data security related to Commonwealth elections data. Estimated Project Costs include staffing, SEC525, ECOS, data transition and conversion, organizational change management, project management, RFP estimates.

Project Scope:

The purpose of this project is to generate an Request for Proposal (RFP) to solicit proposals for a competitive procurement, to provide a statewide voter registration and election management solution to the Commonwealth of Virginia Department of Elections (ELECT), as directed by the 2019 House Bill (HB) 1700. Upon selection of a proposal, ELECT will work with the chosen vendor to provide guidance and direction in the analysis and deployment of the new statewide voter registration and election management system.

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Project Formal Title: PROJECT: MAINFRAME 2022 - COIN System

Agency: Compensation Board (CB)

Secretariat: Administration

Investment Status: Project Initiation Approval

Project Description:

Project to "Refactor" the COIN system (to convert the current mainframe COBOL/DB2/CICS program code to C#/SQL Server), in order to migrate to servers located at the QTS datacenter.

Project Scope:

Move the COIN system from the mainframe computer to servers located at the QTS Datacenter. Restructure and optimize an existing application without changing its external behavior. The aim is to remove technical debt using application database services while retaining all core business logic and application functionality.

Business Problem: Executive Order 19 (EO-19) and the requirement to exit the mainframe by July 2022

Solution: Refactoring is typically achieved through a combination of automated conversion and code/configuration changes to move the application to the QTS Servers. Automated conversion technology is at the core of this approach, which guarantees functional equivalence as compared to the legacy environment.

The existing COIN systems COBOL/DB2/CICS program code will be converted by Modern Systems, Inc. to C# and SQL Server.

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Project Formal Title: Replace Automated Inventory Mgmt System (AIMS)

Agency: Department of State Police (VSP)

Secretariat: Public Safety & Homeland Security

Investment Status: Investment Business Case Approval

Project Description:

The Virginia State Police (“VSP”), on behalf of the Commonwealth of Virginia (“Commonwealth”), is seeking an enterprise inventory management system to manage the inventory in their centralized and decentralized warehouses and area satellite offices across the Commonwealth.

Project Scope:

Implement an automated inventory system management across all seven VSP Divisions in Virginia. System should manage all consumable inventory and interface with eVa.

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Project Formal Title: Replace LiveScan System Project

Agency: Department of State Police (VSP)

Secretariat: Public Safety & Homeland Security

Investment Status: Investment Business Case Approval

Project Description:

VSP will procure live scan fingerprinting to be located at VSP offices statewide. The live scans will initially be procured to process applicant background check requests that require fingerprints. VSP was recently provided with American Rescue Plan Act (ARPA) funds that are focused on solving problems related to the inability to receive and process applicant background check requests for front line workers in a timely manner. This problem continues to have a significant negative impact on the state's economy. The procurement will also allow VSP to replace manual processes with automated processes, which will reduce manual errors and provide more accurate and reliable data.

Project Scope:

Virginia State Police (VSP) has been granted statewide procurement authority to create a cooperative contract to:

1. establish a standard FBI CJIS compliant livescan solution,
2. provide user-agencies the option to procure devices and peripherals through easy to use online processes that automatically update a centrally managed livescan hardware and software inventory,
3. provide an integrated, cloud-hosted that complies with the Governor's Executive Order 19 (2018),
4. provide reliable, efficient, and secure operations and support for livescan statewide through remote management capabilities or on-site services when services cannot be provided remotely,
5. improve overall customer support and livescan reliability through the use of cloud-based central servers that automate livescan software/support table installations and updates, update livescan
6. configurations, keep livescan inventory updated, assign tracking numbers (e.g. Document Control Number), centralize user administration and centralize the receipt of data from other systems,
7. provide user-agencies with the option to integrate with hardware or software VPN,
8. standardize user-agency interfaces to and from livescans to improve data quality,
9. replace manual processes by providing livescan software and peripherals to capture fingerprints and palm prints to allow the business processes to send transactions to VSP's Automated Fingerprint Identification System (AFIS).

Appendix C – 2023 Major IT Project Descriptions

Project Formal Title: RUMS Replacement Project

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Project Initiation Approval

Project Description:

The VDOT Right of Way (ROW) and Utilities Management System (RUMS) manages the process where a road construction Notice to Proceed (NTP) document is used to coordinate mandatory pre-construction activities including providing a comprehensive cost estimate on all potential necessary acquisition and damage costs, coordinating with the impacted utility companies to understand their needs, communicating with railroad companies to ensure that VDOT can obtain the proper right of entry agreements, ensuring that any special circumstance parcels within the project scope are handled in accordance with state or federal law, if VDOT and a landowner are unable to agree then managing eminent domain proceedings and final reimbursement and validation of any relocation expenses, managing any parcel remnant or whole parcel that was not utilized during construction, handling all lease agreements and payments as well as any state or utility conveyance of property, mitigating and gravesite or cemetery relocations, and all processing FOIA requests related to the above activities. The RUMS application will be replaced because it is 15 years old, and the system is reliant on antiquated services, tools, and code.

Project Scope:

This project will replace the outdated Right of Way and Utilities division system (RUMS) by adopting improved processes, efficiency tools, and workflow in a retail software product for overall business efficiency improvement. This new solution will enhance the data collection of right of way and utility processes used in metrics and other areas of pre-construction. The project will involve implementing a SaaS cloud product with application support.

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Project Formal Title: SOR System Replacement

Agency: Department of State Police (VSP)

Secretariat: Public Safety & Homeland Security

Investment Status: Project Initiation Approval

Project Description:

The current vendor provided Sex Offender Registry core system needs to be upgraded or replaced as it is based on older technology (Oracle Forms and Reports) and does not meet all user requirements. Making changes due to legislation or enhancing the current application is not feasible due to the outdated technology and the eventual loss of vendor support due to its age.

Project Scope:

Replacement of the legacy SOR system by a Supplier who must have experience in implementing sex offender registration systems for at least 1 existing state agency client that registers sex offenders and must have experience providing the service/solution for a 1 year minimum. The Vendor must provide a minimum of one (1) state agency reference to this effect. This project includes the RFP process to identify the chosen vendor solution, data conversion from the legacy solution to the new supplier solution, legal compliance with Code of Virginia requirements for sex offender registration, and maintaining existing interfaces to state and federal agencies and VSP systems.

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Project Formal Title: STARS Infrastructure and Subscriber Upgrade

Agency: Department of State Police (VSP)

Secretariat: Public and Homeland Security

Investment Status: Project Initiation Approval

Project Description:

The Statewide Agencies Radio System (STARS) provides a public safety grade radio and data network for 22 authorized agencies. The STARS Subscriber and Infrastructure Upgrade will be implemented in two phases. Phase 1 will address the infrastructure upgrade and Phase 2, the subscriber equipment upgrade. Phase 1 will upgrade the microwave radio network, a new MPLS network for STARS, use of Time Division Multiple Access (TDMA) technology, and the Radio Authentication feature. Phase 2: Subscriber Upgrade will update Needs Assessments for all agencies, and update Subscriber equipment.

Project Scope:

The STARS Infrastructure and Subscriber Upgrade will be implemented in two phases and will take 4 years to complete. Phase 1 will address the network infrastructure and Phase 2 the subscriber equipment for STARS. The network infrastructure upgrades will include the following:

- Microwave Radio Transport Links – migrate from circuit-switched transport to packet-switched Ethernet transport from the land mobile radio RF sites to the Zone Master sites (97 transmitter sites; 132 links, consisting of 264 radios)
- T-1 to Ethernet Conversion, adding Multiprotocol Label Switching (MPLS) – site router replacement at 97 transmitter sites and others
- Time Division Multiple Access (TDMA) (Project 25 Phase 2) - approximately doubles the use of each radio channel employed as compared to the current Frequency Division Multiple Access (FDMA) technology and is a key factor to better supporting current users, facilitating the additional users, and improved busy-hour performance
- Authentication - a necessary security feature that minimizes the access of unauthorized radios that have been lost, stolen, or cloned. Replace the subscriber equipment for the 22 STARS authorized agencies including mobiles, portables (hand-held), digital vehicular repeaters (DVRs), control stations (mobiles located on a desk), and consolettes (rack mounted mobile radios).

The subscriber equipment upgrade will take approximately 3 years to complete and includes the following:

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- ~6,000 vehicles with a mobile radio installed will need to be upgraded. ~3,300 of those vehicles have a full Digital Vehicular Repeater System (DVRS) in them (mobile radio, portable radio, digital vehicular repeater, portable charger). Vehicle installations will be performed regionally by the equipment manufacturer and will take 3-4 hours to complete per vehicle. VSP Technicians will perform a quality assurance check after the install is complete. This will be managed by the Logistics Manager contractor.
- ~556 control stations in offices
- ~178 consolettes in dispatch centers
- Over the Air Programming (OTAP) – allows changing the programming in radios using a wireless approach. OTAP facilitates updating a high volume of radios in field within a minimum amount of time. For many types of upgrades, scheduling and touching radios located in over 42,775 square miles will no longer be necessary.
- WiFi Programming – allows changing the personality of a radio without physically connecting to it

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Project Formal Title: Subsidy Attendance Application - Project

Agency: Department of Education (VDOT)

Secretariat: Education

Investment Status: Investment Business Case Approval

Project Description:

The DOE will need to build and deploy an application in our Salesforce environment which will allow for providers of early childhood education services who partake in the subsidy program to take attendance of those children.

All 2000+ childhood education providers participating in the subsidy program will use this application. It will improve the funding timeliness and accuracy of our subsidy-based funding for early childhood education.

Project Scope:

VDOE is needing, per requirement, to develop an application that will allow for the providers of subsidy-based early childhood education services to take attendance for those children receiving those services for purposes of reporting and funding.

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Project Formal Title: TAX VoIP System Upgrade and Maint Project

Agency: Department of Taxation (TAX)

Secretariat: Finance

Investment Status: Project Initiation Approval

Project Description:

Virginia Tax is requesting approval to procure hardware and support to upgrade VoIP hardware, which will reach end of life in Feb 2024. Additionally, this approval will allow the agency to procure continued vendor maintenance and support for the agency's VoIP system. The VoIP system is Tax's call center solution, including all telephony and related services. The call center utilizes the Cisco VoIP phone system Cisco Unified Call Center eXpress (UCCX) and Verint, to provide Workforce Management, Quality Monitoring, and instant reporting using UCCX's Cisco Unified Information Center (CUIC) reporting on a Cisco UCS blade system.

Project Scope:

Virginia Tax will be replacing It's VoIP infrastructure (HW/SW) before the announced End of Support/End of Life with the latest supported models to ensure continued security compliance (sec 501 and pub 1075) and availability of Tax's VoIP System used by Virginia Tax Call center. The current EOL date is Feb 2024.

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Project Formal Title: Teacher Licensure Project - Thentia

Agency: Department of Education (VDOT)

Secretariat: Education

Investment Status: Project Initiation Approval

Project Description:

School teachers in Virginia are licensed by the Commonwealth of Virginia to teach in schools and currently the process to get that licensure (in various forms) is outdated, complicated, non-digital, and confusing. We hope to streamline this process to make the lives of teachers and administrators easier.

The Department of Education will procure a new SaaS solution to provide a hosted-product and services associated to the development and deployment of a Teacher Licensure product.

Project Scope:

While System Automation has provided a number of upgrades to the system over the years, there are numerous confines that do not allow for efficiency and innovation. Some of the biggest challenges are enumerated below:

School divisions cannot log into the online portal on behalf of an individual to submit documents.

In Virginia, if a school division employs an individual, the school division assists with the licensure process. Specifically, the school division is responsible for assigning teachers to courses for which the teacher is endorsed, and therefore must indicate to VDOE what endorsement a teacher should have based on their qualifications and their assignment. School division licensure/human resources offices submit application packets and licensure requests directly to the VDOE on behalf of an employed individual. The MLO online portal only allows an individual to manage their own license and we have to develop an outside system for collecting the information and documentation from divisions.

The Office of Licensure and School Leadership currently prints all communication to applicants, license holders, and school divisions if employed, including evaluations and copies of licenses. While the new online portal allows license holders to view their license electronically and print their own copy, there is not a “dashboard” where a specialist can send an email within the system to ask for additional information and the license holder to respond. Emails and responses would have to be outside the MLO system and would then create the need for these communications to be added to the system for historical perspective. In addition, there is not a way within the MLO system to maintain a communication log for staff to note when someone calls in. A full contact

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management system housed inside the licensing system would be more efficient. In addition, the current MLO system does not support our need to integrate bigger projects like managing professional development and renewal activities, managing the Advisory Board for Teacher Education and Licensure (ABTEL), or effectively managing investigations and the process of adverse actions on licenses.

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Project Formal Title: Tool Management PM Project

Agency: Department of Corrections (DOC)

Secretariat: Public Safety & Homeland Security

Investment Status: Investment Business Case Approval

Project Description:

This project will procure an automated, enterprise asset management solution to improve the efficiency and the effectiveness of asset management responsibilities throughout the VADOC. A technology solution offers VADOC significant gains in efficiency (time and cost savings) and effectiveness (real-time data) to enhance accountability for tools. Further, a systems perspective offers future benefits in extending technology to control and inventory weapons, security equipment, supplies and consumables with the same efficiency and effectiveness outcomes.

Project Scope:

The Virginia Department of Corrections (VADOC) is a large state government agency. There are 43 prison facilities, 60 community correctional offices/facilities and 3 regional administrative offices. The VADOC employs around 13K staff and is responsible for the care and custody of 90K offenders. The annual operating budget in excess of 1 Billion dollar. The VADOC facilities utilize thousands of tools daily. The facilities are required to maintain tool rooms and designate, generally a Tool Control Officer, with the primary responsibility for tool management and accountability at the facility. This is done by using a shadow board and the chit system. This is a manual process, which relies mostly on visual verification, limiting real time reporting and auditing of the tool inventory. This process is also utilized for the armory and medical services unit.

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Project Formal Title: Traffic Monitoring System Replacement Project

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Investment Business Case Approval

Project Description:

This project will ensure all traffic count users have reliable access to both raw and summary traffic data.

1. Update technology to ensure sustainability of system
2. Update business user interface to allow more intuitive data query
3. Update end user interface(s) to allow more user 'self-service'
4. Provide download site that allows more powerful query capabilities (Inside and Outside VDOT)
5. Update data input interface to reduce time managing data input while maintaining data quality
6. Ensure all reporting (inside and outside VDOT) is using SSR (master) data

Project Scope:

This request will ensure all traffic count users have reliable access to both raw and summary traffic data. Technology impacts include the following:

- District Staff (traffic engineers): traffic engineering studies
- District and Central Office TMPD: traffic planning and forecasting
- Traffic Operations: Congestion studies, Map21 requirements
- District and Central Office: paving operations
- Highway Safety Improvement Program (HSIP)
- Statewide Planning System (SPS)
- VDOT Dashboard (fatalities and congestion)
- VDOT SmartScale
- VDOT Integrator
- Roadway Network System (RNS)
- Pavement Management System (PMS)
- Pavement Material Scheduling System (PMSS)
- Highway Performance Monitoring System (HPMS)
- Bridge Management System (BMS)

- Railroad Crossings (RRX)

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- iPeMS
- Tableau
- Power BI
- SQL Developer
- SQL+
- MSEXcel
- MSAccess

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Project Formal Title: Traffic, Traveler and Road Information (TTRIP)

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Project Initiation Approval

Project Description:

VDOT desires a comprehensive, cost-effective or cost-neutral solution for sharing video and data that can adapt to rapidly changing technologies and evolving methods of information dissemination. In addition, VDOT desires innovative methods of archiving data, evaluating data quality in real-time and providing system/roadway network performance metrics based upon existing data feeds. Finally, VDOT desires an innovative partner that will promote safety, mobility and economic growth within the Commonwealth of Virginia by providing actionable information to the traveling public.

Project Scope:

VDOT will identify, select and engage a Supplier to provide and manage a cloud-based suite of traffic, travel and road information services and specialized tools through a single platform to serve a variety of stakeholders including: Internal VDOT operations centers, VDOT operators, VDOT executives, Public safety partners, Media members, Travelers, and the Connected and automated vehicle (CAV) community. The Supplier will provide distribution services for designated VDOT operations-related transportation video and data generated in transportation operations and traffic engineering functions across VDOT. Distribution methods may include: Websites, Mobile applications (iPhone and Android), Digital voice assistant, and Automated data services or application program interfaces (APIs) of various file types.

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Project Formal Title: Unemployment Insurance Modernization

Agency: Virginia Employment Commission (VEC)

Secretariat: Labor

Investment Status: Project Initiation Approval

Project Description:

The modernization of the Unemployment Insurance System is a major initiative for the VEC in the Agency Strategic Plan. This client/server system will replace the VEC's decades-old IBM-mainframe Benefits, Tax, and Wage systems. Agency stakeholders for this IT Investment include the VEC Commissioner, VEC Assistant Commissioner for Field Operations, the VEC Chief of Benefits, the VEC Chief of TAX, the VEC Director of the Customer Contact Center, the VEC IT Director, and the IT Project Manager. These stakeholders will have direct leadership and governance responsibilities for the Investment. Customer stakeholders include employers of the Commonwealth as well as individual citizens who require support from the Unemployment Insurance program. Input from these stakeholders was analyzed and documented through research performed by Peer Insight and will be further monitored through the use of surveys.

Project Scope:

This project will modernize the computer hardware and software as well as business workflows and some business processes that the VEC uses to administer the Unemployment Insurance Benefits, Tax, and Wage systems for the Commonwealth of VA. Modernization includes moving these systems to client/server/web technologies which use relational data stores.

The VEC will partner with a software development vendor. This vendor, under guidance of the Agency Sponsor and Project Manager, will work with agency business and IT staff to design, develop, test, and deploy a modernized automated UI system.

The vendor will be contractually obligated for delivering the system as well as training business staff in using the system and IT staff in supporting the system. Staff resources from the business and IT teams will be allocated to the project to fully participate in project activities.

The first Iteration of the project, will involve the Application and Technical Design for Imaging and Workflow, which will bring to bear hardware and software to be used as the foundation for the remainder of the project.

The second Iteration of the project will deliver an Unemployment Insurance Tax application. The third Iteration will deliver an Unemployment Insurance Benefits and Appeals application.

Throughout the Iterations, the vendor will customize the system design to conform to

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the requirements of Virginia's UI law and VEC agency practices. The vendor will use prototypes and walk-throughs with business and IT staff to identify and document system requirements. The vendor partner will be responsible for developing/coding the new system while engaging VEC business staff in building test cases and actual testing activities. IT staff will be focused on learning the new technologies that make up the system and participating in knowledge transfer. Business staff will be extensively engaged in training for the new system.

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Project Formal Title: VDEM - EOC AV upgrade Project

Agency: Department of Emergency Management (VDEM)

Secretariat: Public Safety & Homeland Security

Investment Status: Project Initiation Approval

Project Description:

VDEM requires an upgrade to the audio visual system at the Virginia Emergency Operations Center and at the Governor's Situation Room to ensure better communications during emergency activations. This upgrade will include requirements for connectivity outside of the two locations to support a large number of participants for conference calls.

Project Scope:

The scope of this project is to replace out-dated audio-visual equipment at the Virginia Emergency Operations Center (VEOC) and the Governor's Situation Room. The current equipment is at end-of-life and is failing with difficulties in finding replacement parts.

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Project Formal Title: VDOT Smart Portal 2024 Project

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Project Initiation Approval

Project Description:

This procurement is one of a series of bi-annual procurements made to enhance the Virginia SMART (System for the Management and Allocation of Resources for Transportation) Portal system, a tool that was created to support a legislatively mandated project prioritization process. SMART Portal first went into service in 2015. The SMART portal supports multiple types of eligible entities providing transportation services in requesting funding from sources managed by the Commonwealth Transportation Board (CTB). Enhancements to the system will allow applications to be submitted for multiple prioritizations-based grant programs to include SMART SCALE, State of Good Repair (SGR), Transportation Alternatives (TA), Revenue Sharing (RS), Virginia Highway Safety Improvement Program (VHSIP), High Priority Projects and District Grant funding programs. These programs are overseen and coordinated amongst multiple VDOT divisions, DRPT, OIPI, and the Commonwealth Transportation Board (CTB).

Project Scope:

This procurement is one of a series of bi-annual procurements made to enhance the Virginia SMART (System for the Management and Allocation of Resources for Transportation) Portal system, a tool that was created to support a legislatively mandated project prioritization process. SMART Portal first went into service in 2015. The SMART portal supports multiple types of eligible entities providing transportation services in requesting funding from sources managed by the Commonwealth Transportation Board (CTB). Enhancements to the system will allow applications to be submitted for multiple prioritizations-based grant programs to include SMART SCALE, State of Good Repair (SGR), Transportation Alternatives (TA), Revenue Sharing (RS), Virginia Highway Safety Improvement Program (VHSIP), High Priority Projects and District Grant funding programs. These programs are overseen and coordinated amongst multiple VDOT divisions, DRPT, OIPI, and the Commonwealth Transportation Board (CTB).

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Project Formal Title: VEC VITA-Transformation

Agency: Virginia Employment Commission (VEC)

Secretariat: Labor

Investment Status: Investment Business Case Approval

Project Description:

Finalize and complete the VITA-Transformation efforts for the agency.

Project Scope:

The following aspects of VEC's environment currently non-standard will be fully transitioned to the COV domain:

- **Directory services:** VEC continues to have its own Active Directory domain, rather than using the standard domain. VEC's domain is managed by VITA suppliers, but VEC's users log in to the separate VEC domain, and end user computing devices are located in the VEC domain. Configurations have been set up to enable interaction between the VEC domain and the standard domain, and a project is underway to have VITA suppliers take over active control of the VEC domain.
- **End user computing:** VEC obtains laptops, desktops, and tablets from VITA's contracts, using software images provided by VITA suppliers. At present, those devices are located in the VEC domain.
- **Server/storage:** VEC has some development (non-production) systems in Amazon Web Services. This is through a VITA-managed subscription or contract, but it is not the standard, fully-managed cloud services. VITA and VEC are working with the infrastructure suppliers on a project to test cloud services available through a standard cloud subscription and plan for migration to the future state.
- **Security:** VEC's security environment is minimally transformed – there is endpoint protection deployed on workstations, but servers are not fully covered, and network monitoring is not fully in place currently. As a result, the standard level of response to security incidents is not possible. VITA will continue to work with VEC to address these gaps and achieve the standard baseline for security visibility and capabilities.

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Project Formal Title: VeraSmart Project

Agency: Virginia IT Agency (VITA)

Secretariat: Administration

Investment Status: Project Initiation Approval

Project Description:

NextGen TEMS implementation of new Calero.Com application to replace existing TEBS TelMaster for expense management, invoice processing, inventory and re-billing processes as well as expenses. This includes outsourcing certain managed services such as ordering, invoice loading, reconciliation, Agency re-billing and dispute management. There will be a revised Contract with Calero for the implementation of Calero.Com and associated managed services and a SOW with KPMG for implementation support services and acting as a strategic advisor for a successful TEM solution.

Project Scope:

NextGen TEMS implementation of new Calero.Com application to replace existing TEBS TelMaster and it will also include the below managed services:

1. Ordering
2. Expense management,
3. Dashboarding and reporting
4. Reconciliation
5. Inventory
6. Re-billing
7. Agency re-billing, and
8. Dispute management

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Project Formal Title: Veterans Information Management System Project

Agency: Department of Veteran Services (DVS)

Secretariat: Veterans & Defense Affairs

Investment Status: Project Initiation Approval

Project Description:

The scope of this project is to create an application that would allow students, veterans and family members to apply for student benefits. The system would allow internal DVS VMSDEP staff to process the application, confirm eligibility and enrollment, and approve the application. The system will then send the application to the State Council of Higher Education for Virginia (SCHEV) to determine the stipend allotment. The universities will confirm enrollments, determine eligibility and allotted stipend using this application.

The proposed solution will have two external facing websites for benefit applications and universities and two separate internal User interfaces for DVS staff and SCHEV staff. The public facing student portal will allow the applicants to create and submit application, securely exchanges messages, update demographical information and view available funds. The web portal for universities will allow the authorized staff to view eligibility, stipend allotment, confirm and withdraw enrollments. The proposed application will have built in rules to allow VMEDEP staff to determine eligibility, authorize enrollment and SCHEV staff to allocate stipends. The proposed allocation will have ability to capture notes and generate various reports. The application will be integrated with Commonwealth of Virginia Active Directory COV AD account to provide Single Sign on (SSO) for internal users.

Project Scope:

The scope of this project is to create an application that would allow students, veterans and family members to apply for student benefits. The system would allow internal DVS VMSDEP staff to process the application, confirm eligibility and enrollment, and approve the application. The system will then send the application to the State Council of Higher Education for Virginia (SCHEV) to determine the stipend allotment. The universities will confirm enrollments, determine eligibility and allotted stipend using this application.

The proposed solution will have two external facing websites for benefit applications and universities and two separate internal User interfaces for DVS staff and SCHEV staff. The public facing student portal will allow the applicants to create and submit application, securely exchanges messages, update demographical information and view available funds. The web portal for universities will allow the authorized staff to view eligibility, stipend allotment, confirm and withdraw enrollments. The proposed application will have built in rules to allow VMEDEP staff to determine eligibility,

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authorize enrollment and SCHEV staff to allocate stipends. The proposed allocation will have ability to capture notes and generate various reports. The application will be integrated with Commonwealth of Virginia Active Directory COV AD account to provide Single Sign on (SSO) for internal users.

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Project Formal Title: VIIS Software Modernization Project

Agency: Department of Health (VDH)

Secretariat: Health & Human Resources

Investment Status: Investment Business Case Approval

Project Description:

The Virginia Immunization Information System (VIIS) is 15-years old, and requires modernization to better align with CDC 4.1 functional standards, have the ability to be modified to meet future functional and regulatory standards, as well as increase in vaccine data volume. VIIS is a critical public health infrastructure and serves as the backbone for all immunization programs in the Virginia Department of Health's Division of Immunization. The system has been tailored to match the needs of the agency, serving Virginia residents and meeting federal, state & legislative regulations. The overall goals are to align with CDC 4.1 functional standards, increase system capabilities, and ensure VIIS can support quick turnarounds during an outbreak.

Project Scope:

1. The VIIS Scope fully encompasses the components of the 4.1 IIS Functional Standards identified in Attachment B CDC 4.1 Functional Standards document. The functional standards are also located on the CDC website indicated here: <https://www.cdc.gov/vaccines/programs/iis/functional-standards/func-stds-v4-1.html>.
2. Implementation and Configuration of an already developed IIS Tool.
3. Reporting including ad hoc and standard reporting.
4. Custom development as needed per the Requirements Traceability Matrix (RTM)
5. Secure method of extracting large volumes of data for VDH Data Warehouse loading.
6. Interfacing into and out of VDH and federal systems including but not limited to WebVISION, VASE+, Vital Records, and VTrckS.
7. HL7 Data Exchange using but not limited to the Virginia Health Information Exchange, Federal IZ Gateway and VDH Rhapsody.
8. Proven project management and system development methodologies that shall satisfy the scope of work.
9. Adherence to VITA Requirements. <https://www.vita.virginia.gov/it-governance/itrm-policies-standards/>.

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Project Formal Title: Virginian Identity Project

Agency: Virginia IT Agency (VITA)

Secretariat: Administration

Investment Status: Investment Business Case Approval

Project Description:

At the request of the Secretary of Administration VITA is tasked with developing and rolling out to state agencies the Virginian single sign on and identity management capabilities. This will allow Virginia citizens to access state websites and applications using single sign on and NIST level 1 identity management. VITA will then develop an RFP for identity proofing tools.

This solution will be provided for all Executive Branch agencies as core included IT service. The solution will also be offered to other government entities at to be determined rate. Additionally, VITA will create/update around identity management and proofing.

VITA has just completed a 6 month project that developed 3 proofS of concepts (POC's) around website citizen single sign on, level 1 (IAL2) identity management capabilities, a citizen portal, and explored enhanced identity management (IM) capabilities. This POC project involved 4 technology providers, architectural design documentation, technical design documentation, and 2 working systems by Okta and Azure B2c (Micro Soft). Tyler Technologies and AISN provided configuration support, technical design capabilities, and documentation.

The benefits of this project are:

- one Virginian identity (single sign-on) for all Executive Branch services
- enhanced security through a single secure solution
- cost savings by implementing a single solution instead of every agency implementing their own
- standardization among state agencies around identity management

Project Scope:

Provides Virginia citizens single sign on and identity management capabilities to state agency on-line applications and websites. This will allow Virginia citizens to access state websites and applications using single sign on based on level 1 identity assurance (IAL1). The underlying core technology of the solution will be the Okta Customer Identification and Access Management (CIAM) offering.

This new solution will provide multiple and improved layers of security/identification and provide a single login for all COV Citizens. The identity provider service will be able

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to provide authentication assurance per level 1 (AAL1). AAL1 refers to authentication where the end user provides credentials they know such as a login ID and password.

Scope includes setting up a program office responsible for working with COV agencies to collect details on their applications in order to develop a rollout plan and document business processes that will enable the agencies to implement this service. The program office team will also be tasked with collecting requirements for the IAL2 service, developing a request for procurement (RFP) document, and support VITA with steps involved with the RFP release, review of responses, and assisting in the awarding of the contract. VITA technical resources will work with the agencies to integrate their applications and/or websites with the identity provider solution. Once a rollout plan is developed, the user adoption model will need to be updated. Based on the user adoption model, steps will need to plan a future call center services that will be able to take phone calls from Virginians to either resolve their issues with the solution or hand off the end user to the appropriate COV agency support team if appropriate.

A web page associated with virginia.gov will need to be setup to provide information concerning the Virginian Identity program to include links that will enable Virginians to access the identity provider solution and take actions such as creating an account, resetting their password, updating authenticators, and updating profiles. This web page should be able to list COV applications and their links, highlight whether they are integrated with the Virginian Identity benefit, and provide self-help documentation such as user guides and help aids.

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Project Formal Title: VSP Transformation Project

Agency: Virginia IT Agency (VITA)

Secretariat: Administration

Investment Status: Project Initiation Approval

Project Description:

The VSP Transition Project will bring VSP into the standard IT infrastructure support model, which includes everything except the out of scope STARS network

Project Scope:

This project is to transition VSP from the isolated Moorefield domain-provided directory services to the enterprise COV-provided directory services. In doing so, three new virtual servers will be established. Once established, connections between the old and new domains will be created and maintained. After implementing this connection, one-way trust relationships will be developed to allow objects on the old domain to trust the new COV domain. Discovery and testing phases will occur during project and upon completion of testing users will be allowed to utilize the new directory services.

Out-of-scope work includes:

- VSP Vehicle device out of scope
- VSP Application Servers out of scope

The purpose of DMND 1798 / RFS 8014 project is to transition legacy VSP end user services over to the VITA managed end user services at both VSP HQ and field offices. Atos is currently in the process of installing the McAfee Endpoint Policy Orchestrator (ePO) agent on all STARS endpoints. These endpoints will not initially be managed by VITA but will be managed by a CUSTOMER-owned and administrated ePO console. Once the STARS assets have been standardized, CUSTOMER administrators will point the STARS endpoints to the Commonwealth ePO. Non-STARS assets will be managed and administrated by the Commonwealth ePO. This project shall fully support and allow flexibility for VSP to perform all of its mission-critical functions (for example, Virginia Fusion Center, High-Tech Crimes, and Internet Crimes Against Children).

This project is to transition legacy VSP end user services over to the VITA managed end user services. With the completion of planning, ePO standard policies will be developed, customer designated and CSRМ approved end user assets will be upgraded to Windows 10, ePO policies will be pushed to the endpoints, and endpoints will be encrypted upon each system checking into the ePO. Upon network connectivity and directory service

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transformation efforts being completed, the customer designated end user assets will be joined to the COV domain.

Role based access to Microsoft System Center Configuration Manager (SCCM) will be provisioned to provide the agency with a method to provide security patches and software deployments / patches to both the STARS and Non-STARS devices. In conjunction with the provisioning of SCCM, training shall be provided to a designated set of VSP employees.

Non-STARS assets will be managed and administrated by the Commonwealth ePO. STARS assets will not, initially, be managed by VITA but will be managed by a CUSTOMER-owned and administrated ePO console. Once the STARS assets have been standardized, CUSTOMER administrators will point the STARS endpoints to the Commonwealth ePO. Upon completion of the project both STARS and Non-STARS assets will be managed and administrated by the Commonwealth ePO.

Discovery and testing phases will occur during project and upon completion of testing users will be allowed to utilize their COV managed end-user assets.

Out of scope:

- All loadset/software package creation will be covered under PRJ0010597.
- Customer application software licenses

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Project Formal Title: VSU - WLAN - WIFI PROJECT

Agency: Virginia State University (VSU)

Secretariat: Education

Investment Status: Project Initiation Approval

Project Description:

The VSU wireless network has been in the process of a run and grow state for approximately ten years and is now transforming to this new exciting technological journey. Wi-Fi 6 is designed to scale with the needs of the University's business and business owners. Wi-Fi 6 will help solve problems in the campus' enterprise today yet enables VSU to prepare for what is to come tomorrow.

Without implementing the necessary changes to the underlying WLAN architecture within the Virginia State University's LAN, WAN, WLAN and Cloud Data Center Server infrastructure the architecture will be unreliable, exposed to security threats, and shall continue to be difficult to manage, operate, maintain, and lack student required capabilities. Network infrastructure security compliance at risk.

Project Scope:

To address many of the identified issues and constraints, a newly re-designed enterprise-wide VSU WLAN Technology Services Leading Edge Infrastructure architecture shall be deployed to provide a reliable, secure, and ultrahigh-speed infrastructure. The following high-level architectural objectives and goals target the fundamental aspects of the VSU WLAN Technology Transformation Leading Edge Infrastructure re-design process, technology choices, and implementation approaches:

- High Reliability
- Secure Wireless, Wired, and Internet Access
- Speed and Performance
- Real-time Monitoring and System Reporting
- Proactive and Preventive Maintenance
- Cost Optimization

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Project Formal Title: Web Content Management DXP Project

Agency: Department of Transportation (VDOT)

Secretariat: Transportation

Investment Status: Project Initiation Approval

Project Description:

VDOT's public facing web properties are not accessible, have language translation barriers, do not promote safe travel across our state, have security vulnerabilities, and have a legacy design and infrastructure. This project will improve the overall user experience on our VDOT web properties for Virginia citizens and will make the maintenance/management of our websites easier for the Communications and ITD teams.

Project Scope:

This request will improve the overall user experience on our VDOT web properties for Virginia citizens and will make the maintenance/management of our websites easier for the Communications and ITD teams.

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Project Formal Title: WIC EBT Project

Agency: Department of Health (VDH)

Secretariat: Health & Human Resources

Investment Status: Investment Business Case Approval

Project Description:

This project will procure a new WIC EBT service contract to provide on-going eWIC processing services for the Virginia WIC Program. A selected WIC EBT vendor will provide WIC EBT payment services to approximately 110,000 WIC participants for the purchase of WIC eligible foods/formula at 850+ authorized WIC retailers in Virginia using electronic benefit transfer cards.

Project Scope:

The scope of the project is to procure a new WIC EBT service contract to provide on-going eWIC processing services for the Virginia WIC Program. A selected WIC EBT vendor will provide WIC EBT payment services to approximately 110,000 WIC participants for the purchase of WIC eligible foods/formula at 850+ authorized WIC retailers in Virginia using electronic benefit transfer cards.

Appendix D - Status of 2022 RTIP Recommended for Funding Projects

2023 Status	Secretariat	Agency	Project Title	Total Project Cost
Completed				
	Administration	VITA	Data Center Relocation Program (DCRP)	9,371,373
			Total for 1 Project	9,371,373
Active/Funded				
	Public Safety & Homeland Security	DOC	Electronic Healthcare Records	22,231,750
	Health & Human Resources	DMAS	Medicaid Dental Program	2,330,699
	Administration	ELECT	Primary Election System - Project	22,654,375
	Transportation	VDOT	RUMS Replacement Project	4,961,100
	Education	DOE	Teacher Licensure Project - Thentia	3,031,424
	Education	VSU	VSU - WLAN - WIFI PROJECT	6,791,200
			Total for 6 projects	62,000,548
Suspended				
			Total for 0 projects	\$0
Cancelled				
	Health & Human Resources	DBHDS	CSB DX (CCS, Little CARS)	1,000,000
	Transportation	VDOT	Hire Vue Interviewing Tool Project	3,307,300
	Education	DOE	Subsidy Attendance Application - Project	7,000,000
			Total for 3 projects	11,307,300
No Change				
	Public Safety & Homeland Security	VSP	Case Management Records Management and Dispatch Sy	40,000,000
	Health & Human Resources	DSS	Child Support Enforcement Modernization -Project	45,000,000
	Health & Human Resources	DBHDS	DBHDS Incident Management System Project	5,000,000
	Finance	TAX	eGovernment Self Help Expansion My Virginia TAX	2,506,492
	Public Safety & Homeland Security	VSP	Replace LiveScan System Project	3,550,895
	Education	DOE	Subsidy Attendance Application Project	6,000,000
	Public Safety & Homeland Security	DOC	Tool Management PM Project	1,400,000
	Transportation	VDOT	Traffic Monitoring System Replacement Project	5,368,200
	Health & Human Resources	VDH	WIC EBT Project	6,000,000
			Total for 16 projects	114,825,587
Reclassified				
	Health & Human Resources	VDH	Crossroads Project	10,000,000
			Total for 1 projects	10,000,000

Legend	
Completed	Projects which successfully completed since last RTIP.
Active/Funded	Projects which were funded and granted development approval since last RTIP.
Reclassified	Projects reclassified by the CIO based on a change in IT investment strategy: major to non-major project, non-major to major project, project to procurement, procurement to project, or change in project approval status since last RTIP.
Name Change	
Cancelled	Projects which were cancelled due to changing business needs since last RTIP.
No Change	Projects which have remained in the same approval and funding status since last RTIP.

Name	Proponent Secretary	Proponent Agency	Investment Approval Status	Total Costs at Complete (FP BV)
CSB DX (CCS, Little CARS)	Health & Human Resources	DBHDS	Cancelled	\$1,000,000.00
Hire Vue Interviewing Tool Project	Transportation	VDOT	Cancelled	\$3,307,300.00
Subsidy Attendance Application - Project cancelled	Education	DOE	Cancelled	\$7,000,000.00
Data Center Relocation Program (DCRP)	Administration	VITA	Completed	\$9,371,373.00
Case Management Records Management and Dispatch Sy	Public Safety & Homeland Security	VSP	Investment Business Case Approval	\$40,000,000.00
Child Support Enforcement Modernization -Project	Health & Human Resources	DSS	Investment Business Case Approval	\$45,000,000.00
DBHDS Incident Management System Project	Health & Human Resources	DBHDS	Investment Business Case Approval	\$5,000,000.00
eGovernment Self Help Expansion My Virginia TAX	Finance	TAX	Investment Business Case Approval	\$2,506,492.00
Replace LiveScan System Project	Public Safety & Homeland Security	VSP	Investment Business Case Approval	\$3,550,895.00
Subsidy Attendance Application Project	Education	DOE	Investment Business Case Approval	\$6,000,000.00
Tool Management PM Project	Public Safety & Homeland Security	DOC	Investment Business Case Approval	\$1,400,000.00
Traffic Monitoring System Replacement Project	Transportation	VDOT	Investment Business Case Approval	\$5,368,200.00
WIC EBT Project	Health & Human Resources	VDH	Investment Business Case Approval	\$6,000,000.00
Electronic Healthcare Records	Public Safety & Homeland Security	DOC	Project Initiation Approval	\$22,231,750.00
Medicaid Dental Program	Health & Human Resources	DMAS	Project Initiation Approval	\$2,330,698.75
Primary Election System - Project	Administration	ELECT	Project Initiation Approval	\$22,654,375.00
RUMS Replacement Project	Transportation	VDOT	Project Initiation Approval	\$4,961,100.00
Teacher Licensure Project - Thentia	Education	DOE	Project Initiation Approval	\$3,031,424.04
VSU - WLAN - WIFI PROJECT	Education	VSU	Project Initiation Approval	\$6,791,200.00
Body Worn Cameras	Public Safety & Homeland Security	ABC	Reclassification	\$289,000.00
Crossroads Project	Health & Human Resources	VDH	Reclassification	\$10,000,000.00

Appendix E – 2023 IT Spend Trend Analysis FY 2008 - FY 2023

Historically, the IT Spend Trend analysis was performed using four categories of data. Data used in three of the IT Spend categories were from Cardinal, provided to VITA by the Virginia Auditor of Public Accounts (APA): VITA Infrastructure and Telecommunications, IT Payroll associated with Operations & Maintenance, and Non-Payroll spending associated with Operations & Maintenance. The fourth category is IT Project data, extracted from the Commonwealth Technology Portfolio application (CTP).

Effective beginning in fiscal year (FY) 2021, IT Payroll expenses were not reported separately due to a change in Cardinal account codes, as communicated in *DPB Report: Chart of Accounts Changes* (July 9, 2020). Since then, salaries and wages data has been provided by the Departments of Accounts (DOA) based upon IT classified personnel data in human resources management systems.

Exhibit 1 shows IT project dollars spent on new investments for fiscal years 2008 through 2023. These cost figures were taken from the data reported by Executive Branch agencies. FY 2023 was higher than previous years because of expenditures related to the Virginia State Police STARS Infrastructure and Subscriber Upgrade project, the Virginia Employment Commission Unemployment Insurance Modernization project and the Department of General Services Enterprise Electronic Procurement Solution (a.k.a. eVA replacement). These three projects had combined expenditures of \$57,409,930 during FY 2023.

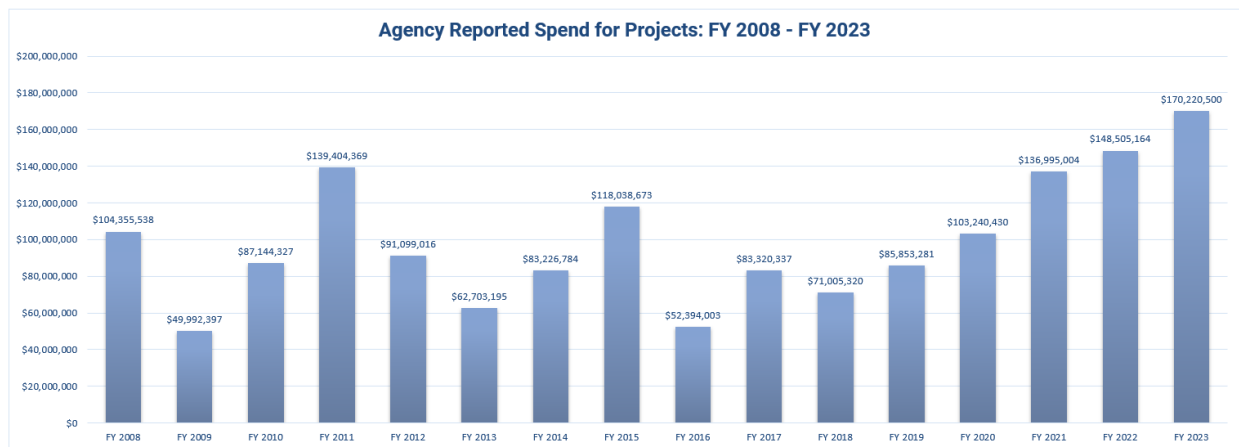


Exhibit 1: IT project dollars spent on projects in FY 2008-2023 by Executive Branch agencies.

Overall IT expenditures for FY 2008 through FY 2023 for Executive Branch agencies for which the Chief Information Officer of the Commonwealth provides oversight and governance can be seen in Exhibit 2. This graph shows the breakout between VITA infrastructure & telecommunications, agency project spending under oversight and governance, and ongoing operations and maintenance (O&M) over the period of 16 fiscal years. These expenditures do not include the Commonwealth’s independent agencies and authorities, Tier 2 & Tier 3 higher education institutions, or Judicial Branch and Legislative Branch agencies. The data for each of the fiscal years are from year-end reports from the Commonwealth accounting system of record—Commonwealth Accounting and Reporting System (CARS) through FY 2016 and Cardinal beginning FY 2017—and are provided by the Auditor of Public Accounts (APA). Payroll data was included in that information until FY 2021 and since has been provided by

Appendix E – 2023 IT Spend Trend Analysis FY 2008 - FY 2023

DOA as IT classified personnel salaries and wages. In the past, agencies have not reported against baselines for projects of less than \$250,000 on the Commonwealth IT Project Status Report Dashboard or in CTP. Accordingly, VITA does not have a method for determining dollars spent in a given fiscal year for those projects. These dollars are embedded within the O&M category at this time.

Formerly CARS, and now Cardinal captures agency-reported data, making IT spend totals wholly dependent upon accurate coding of expenditures by agencies.

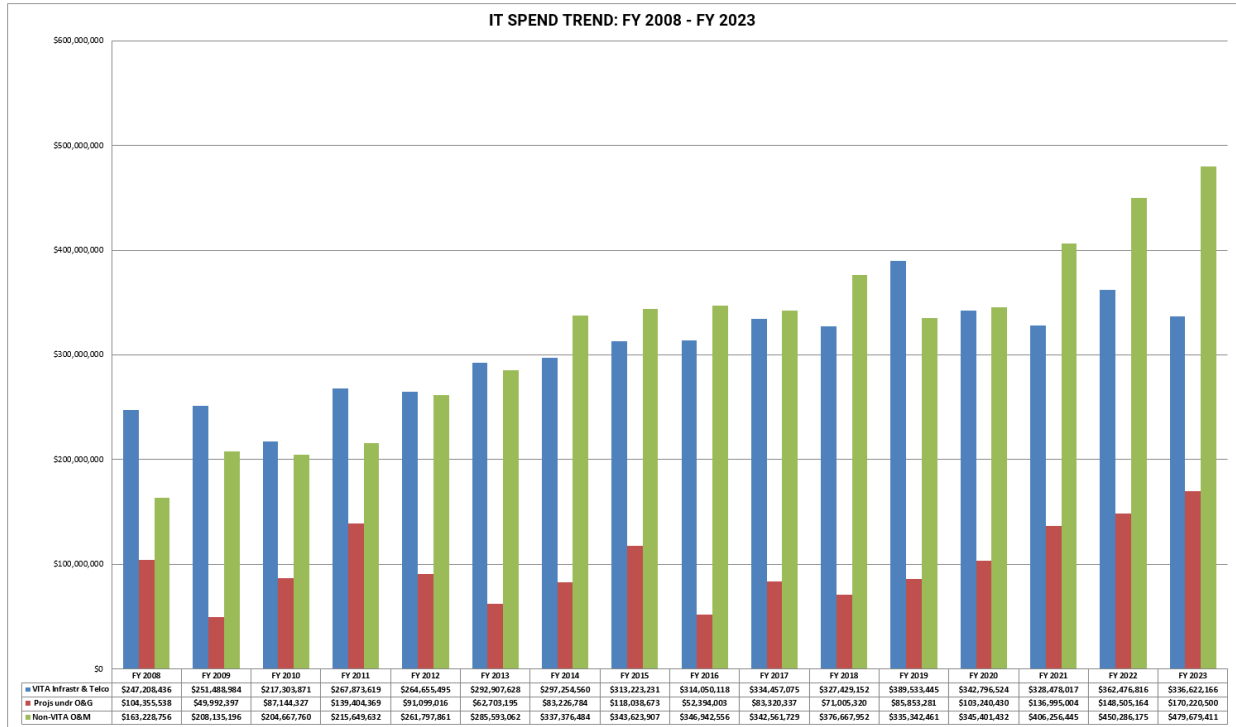


Exhibit 2: IT spend trend for FY 2008 through FY 2023 for In-scope Executive Branch agencies

Appendix E – 2023 IT Spend Trend Analysis FY 2008 - FY 2023

Exhibit 3 below shows expenditure breakouts by percentages for each category for FY 2023 only.

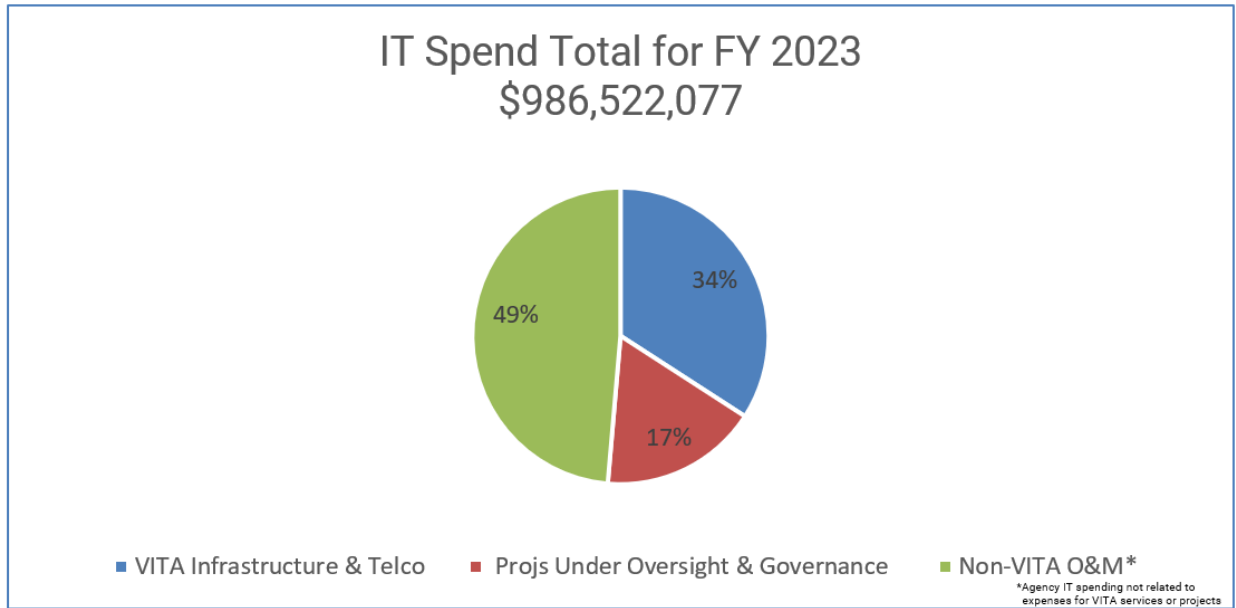
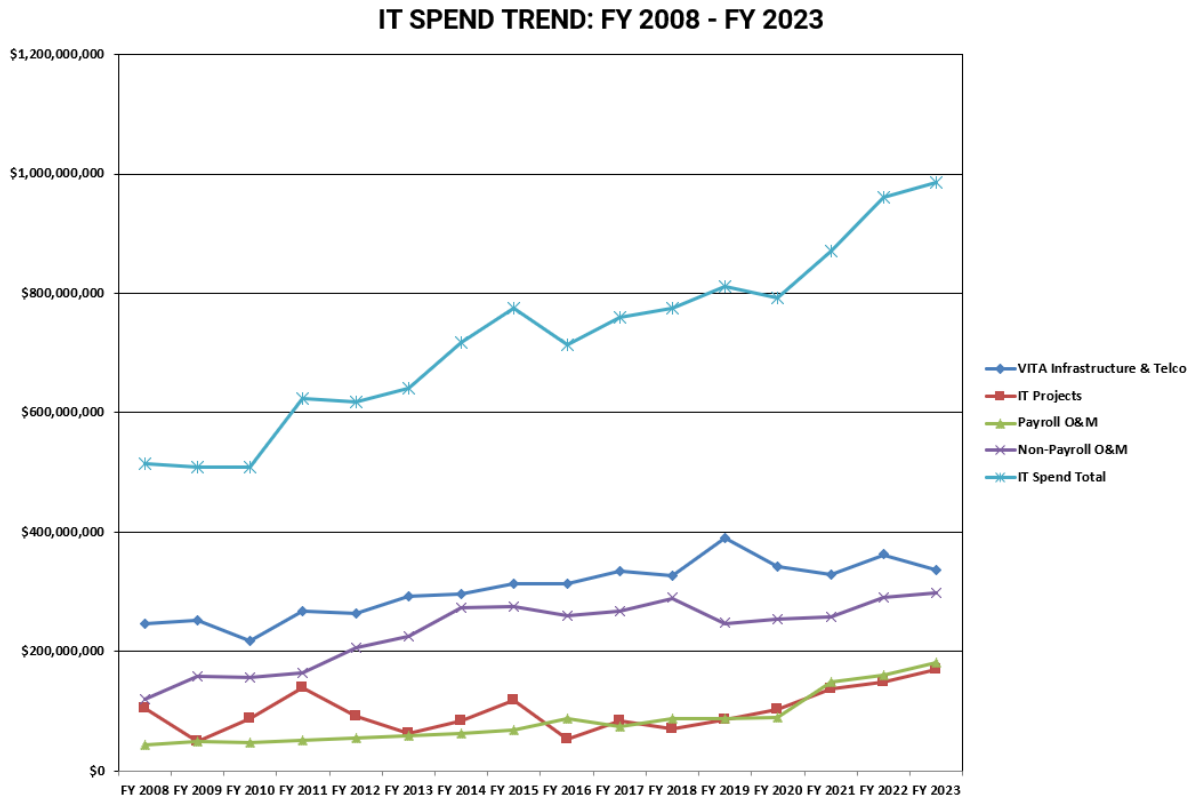


Exhibit 3: IT Spend Total for FY 2023 equals \$986,522,077

Appendix E – 2023 IT Spend Trend Analysis FY 2008 - FY 2023

Effective beginning in fiscal year (FY) 2021, IT Payroll expenses were not reported separately due to a change in Cardinal account codes, as communicated in *DPB Report: Chart of Accounts Changes* (July 9, 2020). As such, salaries and wages data has been provided by the Departments of Accounts (DOA) since then, and is based upon IT classified personnel data in human resources management systems. The IT Spend Trend line graph below (Exhibit 4) shows a noted increase between FY 2020 and FY 2021, and corresponds with agencies losing the ability to report IT Payroll expenses in Cardinal and IT classified personnel salaries & wages data being used since for that information. The increase reflects a \$58,000,000 jump for that category, and is estimated to be related to the different of sources providing the data.



NOTE: Beginning FY 2021, Payroll O&M was not reported separately in Cardinal. Since FY 2021, Payroll O&M is based on IT classified salaries & wages.

Exhibit 4: IT spending trends for FY 2008 through FY 2023 for In-scope Executive Branch agencies

Appendix F - Projected O&M Costs 2023

VeraSmart Project	Administration	VITA	\$1,796,000	3/31/2024	\$830,000	\$1,664,880	\$1,664,880	\$1,664,880	\$1,664,880	\$1,664,880
Veterans Information Management System Project	Veterans and Defense Affairs	DVS	\$2,000,000	10/28/2022	\$100,000	\$180,000	\$240,000	\$300,000	\$360,000	\$420,000
VSP Transformation Program	Administration	VITA	\$8,424,088	5/30/2025	\$5,909,000	\$6,125,000	\$6,125,000	\$6,125,000	\$6,125,000	\$6,125,000
VSU - WLAN - WIFI PROJECT	Education	VSU	\$6,791,200	4/14/2023	\$130,000	\$132,000	\$134,100	\$136,305	\$138,620	\$140,805
Web Content Management DXP Project	Transportation	VDOT	\$2,410,639	6/18/2024		\$211,391	\$211,391	\$211,391	\$211,391	\$211,391