COMMONWEALTH of VIRGINIA

Virginia Information Technologies Agency

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November 30, 2021

BY EMAIL

The Honorable Ralph Northam
Governor of Virginia

The Honorable C.E. (Cliff) Hayes, Jr.
Chair, Joint Commission on Technology and Science

Dear Governor Northam and Delegate Hayes:

Pursuant to Virginia Code § 2.2-2007(B)(3) (as modified by the 2021 Appropriation Act, Item 92(E)(1)), I am pleased to submit the *Recommended Technology Investment Projects (RTIP) Appendices for 2021*. This year marks the nineteenth annual submission of RTIP.

The RTIP appendices contain prioritized recommendations for technology investments (projects), projected costs of operations and maintenance activities for each project, and trends in projected information technology (IT) spending by state agencies:

Appendix A - Recommended for Funding 2021
Appendix B - Recommended for Continued Funding 2021
Appendix C - RTIP Project Descriptions 2021
Appendix D - Status of 2020 Recommended Projects
Appendix E - IT Spend Trend Analysis FY2008-FY2021
Appendix F - Project O&M Costs

This year's portfolio has a value of $282 million in approved projects recommended for funding and a value of $688 million in approved projects recommended for continued funding. In developing this year's report, only projects supported by a strong business case, based on established selection and ranking criteria, were considered as priorities for funding. Our selection and ranking criteria gave significant weight to the Commonwealth's strategic information technology goals and supporting technology business plan as well as the Governor's objectives and mandated requirements. Moving forward, top priority will continue to be given to systems or projects in the Commonwealth Technology Portfolio (CTP) that will generate better service, save dollars, or generate revenue, with an emphasis on enterprise and collaborative efforts.

VITA continues to welcome feedback from stakeholders and hopes that the RTIP Report provides a valuable reference for Commonwealth IT investment decisions.

Sincerely,

Nelson Moe

Enclosure

cc: The Honorable Grindly Johnson, Secretary of Administration
        Division of Legislative Automated Systems (DLAS) Reports

Project	CPGA Class	Secretariat	Agency	Project Cost	Planned Start Date (PIA)	Planned Completion Date	Mandatory	Enterprise	Business Affect	Funding Source Name
AI-Based System for Incident Management Project	Category 3	Transportation	VDOT	$9,114,000.00	10/1/2021	10/31/2024	No	Collaborative	Improve the Business	Transportation
Body Worn/In Car Cameras - Project	Category 3	Public Safety & Homeland Security	VSP	$23,215,875.00	9/1/2021	1/31/2022	No	Agency-Specific	Run the Business	General Funds
Case Management Project	Category 2	Health and Human Resources	VDH	$1,118,985.60	4/22/2021	11/16/2021	No	Agency-Specific	Improve the Business	COVID Enhancing Detection (ED) Expansion
Case Management Records Management and Dispatch System	Category 1	Public Safety & Homeland Security	VSP	$40,000,000.00	5/3/2021	11/1/2022	Yes	Agency-Specific	Improve the Business	General Funds
CBORD Replacement - Statewide Food Service Project	Category 3	Health and Human Resources	DBHDS	$2,848,000.00	9/1/2021	3/31/2022	No	Agency-Specific	Run the Business	General Funds
Child Support Refactoring Project	Category 3	Health and Human Resources	DSS	$3,250,000.00	10/27/2022	8/1/2024	Yes	Enterprise	Improve the Business	Federal Split
CRIS - Criminal and RapBack Information System	Category 2	Public Safety & Homeland Security	VSP	$12,567,940.00	3/31/2022	6/30/2023	Yes	Agency-Specific	Run the Business	Brodie Assistance Fund
Crossroads Project	Category 2	Health and Human Resources	VDH	$10,000,000.00	12/1/2021	12/1/2022	No	Collaborative	Improve the Bussiness	EPA
CSB DX (CCS, Little CARS)	Category 3	Health and Human Resources	DBHDS	$1,000,000.00	4/13/2022	3/31/2024	Yes	Agency-Specific	Improve the Business	General Funds
DBHDS Incident Management System Project	Category 2	Health and Human Resources	DBHDS	$5,000,000.00	4/13/2022	6/30/2023	No	Agency-Specific	Improve the Business	Federal Funds
DBVI-VIB ERP Implementation (Financials & Mfg)	Category 2	Health and Human Resources	DARS	$2,400,000.00	10/1/2021	6/30/2022	No	Agency-Specific	Improve the Business	Federal Funds
DHCD Rent Relief Program Project	Category 3	Commerce and Trade	DHCD	$4,000,000.00	5/24/2022	5/27/2025	Yes	Agency-Specific	Improve the Business	Federal Funds
Digitize Bridge Inspection Reports Project	Category 4	Transportation	VDOT	$2,160,000.00	9/30/2021	4/15/2022	No	Agency-Specific	Improve the Business	Transportation
DWDM Fiber Network Build Project	Category 2	Transportation	VDOT	$6,261,882.28	9/15/2021	12/30/2021	No	Agency-Specific	Improve the Business	Transportation
eGovernment Self Help Expansion My Virginia TAX	Category 2	Finance	TAX	$2,506,492.00	4/28/2022	9/8/2023	No	Agency-Specific	Improve eGovernment	General Funds
Electronic Healthcare Records	Category 1	Public Safety & Homeland Security	DOC	$23,155,336.00	4/1/2022	7/13/2024	Yes	Agency-Specific	Transform the Business	General Funds
EO19_DEQ_Aggregate_Rehost	Category 3	Natural Resources	DEQ	$1,146,084.47	9/30/2020	7/1/2021	Yes	Agency-Specific	Run the Business	Agency
EO19_DSS_ADAPT RO (Read Only)	Category 2	Health and Human Resources	DSS	$1,720,000.00	7/1/2019	12/31/2021	Yes	Agency-Specific	Improve the Business	Agency
EO19_DSS_Automated Program to Enforce Child Suppor	Category 2	Health and Human Resources	DSS	$1,720,000.00	7/1/2019	12/31/2021	Yes	Agency-Specific	Improve the Business	Agency
EO19_DSS_Background Investigation System (BIS)	Category 2	Health and Human Resources	DSS	$1,720,000.00	7/1/2019	12/31/2021	Yes	Agency-Specific	Improve the Business	Agency
EO19_DSS_Central Registry System (CRS)	Category 2	Health and Human Resources	DSS	$1,720,000.00	7/1/2019	12/31/2021	Yes	Agency-Specific	Improve the Business	Agency
EO19_DSS_Data Warehouse (DW)	Category 2	Health and Human Resources	DSS	$1,720,000.00	7/1/2019	12/31/2021	Yes	Agency-Specific	Improve the Business	Agency
EO19_DSS_Document Management Imaging System (DMIS)	Category 2	Health and Human Resources	DSS	$1,720,000.00	7/1/2019	12/31/2021	Yes	Agency-Specific	Improve the Business	Agency
EO19_DSS_Online Automated Services Information Sys	Category 2	Health and Human Resources	DSS	$1,720,000.00	7/1/2019	12/31/2021	Yes	Agency-Specific	Improve the Business	Agency
EO19_DSS_Systems Partnering in a Demographic Repos	Category 3	Health and Human Resources	DSS	$1,700,000.00	7/1/2019	12/31/2019	Yes	Agency-Specific	Improve the Business	Agency
EO19_TAX_Aggregate_ReHost	Category 2	Finance	TAX	$1,076,800.00	7/29/2019	7/30/2021	Yes	Agency-Specific	Run the Business	Agency
EO19_VDH_Aggregate_ReHost		Health and Human Resources	VDH	$3,321,300.00	12/1/2019	6/1/2021	Yes	Agency-Specific	Improve the Business	Agency
EO19_VDH_CHAAMPS_ReHost	Category 3	Health and Human Resources	VDH	$1,266,000.00	12/1/2019	12/1/2021	Yes	Agency-Specific	Improve the Business	Agency
Hire Vue Interviewing Tool Project	Category 3	Transportation	VDOT	$3,307,300.00	9/15/2021	1/1/2024	No	Agency-Specific	Improve the Business	Transportation
Land Use and Outdoor Advertising Permit Processes	Category 4	Transportation	VDOT	$1,797,276.00	10/1/2021	7/1/2021	No	Agency-Specific	Improve the Business	Transportation
Maintenance Management System Project	Category 3	Public Safety & Homeland Security	DOC	$2,750,000.00	3/15/2021	8/31/2021	No	Agency-Specific	Run the Business	General Funds
Medicaid Dental Program	Category 2	Health and Human Resources	DMAS	$1,000,000.00	9/30/2020	6/30/2021	No	Agency-Specific	Improve the Business	CMS 90/10
Multimodal Mobility Enhancement DI Project	Category 3	Transportation	VDOT	$3,200,200.00	10/15/2021	9/30/2022	No	Collaborative	Improve the Bussiness	Transportation
OT Service and Asset Management Solution Project	Category 2	Transportation	VDOT	$1,540,000.00	10/15/2021	12/31/2021	No	Collaborative	Improve the Business	Transportation
Pharmaceutical Services	Category 2	Public Safety & Homeland Security	DOC	$46,000,000.00	11/16/2020	4/30/2022	Yes	Agency-Specific	Run the Business	General Funds
Primary Election System - Project	Category 1	Administration	ELECT	$28,000,000.00	10/26/2020	9/7/2023	Yes	Enterprise	Improve the Business	General Funds
Replace LiveScan System Project		Public Safety & Homeland Security	VSP	$3,550,895.00	9/1/2021	6/30/2023	No	Agency-Specific	Improve the Business	General Funds
RUMS Replacement Project	Category 3	Transportation	VDOT	$4,961,100.00	10/1/2021	6/30/2023	No	Agency-Specific	Transform the Business	Transportation
Traffic Monitoring System Replacement Project		Transportation	VDOT	$5,368,200.00	11/1/2021	1/1/2024	Yes	Agency-Specific	Improve the Business	Transportation
VDEM - EOC and governor's situation room AV/VTC		Public Safety & Homeland Security	VDEM	$2,250,000.00	12/1/2021	5/31/2022	No	Collaborative	Improve the Business	UASI
Victims Services Technology Project	Category 3	Public Safety & Homeland Security	DCJS	$1,150,000.00	7/29/2020	9/30/2022	No	Agency-Specific	Improve the Business	Victims Services Grant
Web Content Management DXP Project	Category 3	Transportation	VDOT	$2,312,900.00	9/15/2021	1/1/2024	No	Agency-Specific	Improve the Business	Transportation
WIC EBT Project	Category 3	Health and Human Resources	VDH	$6,000,000.00	3/10/2021	12/30/2021	Yes	Collaborative	Run the Business	USDA, congress

Project	CPGA Class	Secretariat	Agency	Project Cost	Planned Start Date (PIA)	Planned Completion Date	Approp Act / Fund Status	Funding Source FY22	Total Project Expend FY22	Funding Source FY23	Total Project Expend FY23	Funding Source FY24	Total Project Expend FY24
AI-Based System for Incident Management Project	Category 3	Transportation	VDOT	$9,114,000.00	10/1/2021	10/31/2024	Fully Funded NGF 100%		$0.00	NGF	$1,600,000.00	NGF	$4,000,000.00
Body Worn/In Car Cameras - Project	Category 3	Public Safety & Homeland Security	VSP	$23,215,875.00	9/1/2021	1/31/2022	Not Funded		$0.00	GF	$23,215,875.00		$0.00
Case Management Project	Category 2	Health and Human Resources	VDH	$1,118,985.60	4/22/2021	11/16/2021	Partially Funded NGF		$0.00		$0.00		$0.00
Case Management Records Management and Dispatch System	Category 1	Public Safety & Homeland Security	VSP	$40,000,000.00	5/3/2021	11/1/2022	Fully Funded GF 100%		$0.00	GF	$25,000,000.00	GF	$8,000,000.00
CBORD Replacement - Statewide Food Service Project	Category 3	Health and Human Resources	DBHDS	$2,848,000.00	9/1/2021	3/31/2022	Not Funded		$0.00	GF	$2,848,000.00		$0.00
Child Support Refactoring Project	Category 3	Health and Human Resources	DSS	$3,250,000.00	10/27/2022	8/1/2024	Partially Funded GF/NGF	Mixed	$1,100,000.00	Mixed	$2,125,000.00	Mixed	$1,624,999.50
CRIS - Criminal and RapBack Information System	Category 2	Public Safety & Homeland Security	VSP	$12,567,940.00	3/31/2022	6/30/2023	Fully Funded GF/NGF 100%	GF/NGF	$635,300.00	Mixed	$6,854,800.00	Mixed	$1,211,344.00
Crossroads Project	Category 2	Health and Human Resources	VDH	$10,000,000.00	12/1/2021	12/1/2022	Fully Funded NGF 100%	NGF	$2,000,000.00	NGF	$2,000,000.00	NGF	$2,000,000.00
CSB DX (CCS, Little CARS)	Category 3	Health and Human Resources	DBHDS	$1,000,000.00	4/13/2022	3/31/2024	Fully Funded GF 100%		$0.00	GF	$500,000.00	GF	$500,000.00
DBHDS Incident Management System Project	Category 2	Health and Human Resources	DBHDS	$5,000,000.00	4/13/2022	6/30/2023	Fully Funded NGF 100%	NGF	$3,000,000.00	NGF	$500,000.00	NGF	$500,000.00
DBVI-VIB ERP Implementation (Financials & Mfg)	Category 2	Health and Human Resources	DARS	$2,400,000.00	10/1/2021	6/30/2022	Fully Funded GF/NGF 100%	NGF	$500,000.00		$0.00		$0.00
DHCD Rent Relief Program Project	Category 3	Commerce and Trade	DHCD	$4,000,000.00	5/24/2022	5/27/2025	Fully Funded NGF 100%		$0.00	NGF	$1,000,000.00	NGF	$1,000,000.00
Digitize Bridge Inspection Reports Project	Category 4	Transportation	VDOT	$2,160,000.00	9/30/2021	4/15/2022	Fully Funded NGF 100%	NGF	$540,000.00	NGF	$1,620,000.00		$0.00
DWDM Fiber Network Build Project	Category 2	Transportation	VDOT	$6,261,882.28	9/15/2021	12/30/2021	Fully Funded NGF 100%	NGF	$0.00	NGF	$6,261,882.00		$0.00
eGovernment Self Help Expansion My Virginia TAX	Category 2	Finance	TAX	$2,506,492.00	4/28/2022	9/8/2023	Not Funded	GF	$1,000,000.00	GF	$1,000,000.00	GF	$506,492.00
Electronic Healthcare Records	Category 1	Public Safety & Homeland Security	DOC	$23,155,336.00	4/1/2022	7/13/2024	Fully Funded GF 100%	GF	$4,562,269.00		$0.00		$0.00
EO19_DEQ_Aggregate_Rehost	Category 3	Natural Resources	DEQ	$1,146,084.47	9/30/2020	7/1/2021	Not Funded	GF	$1,146,084.47		$0.00		$0.00
EO19_DSS_ADAPT RO (Read Only)	Category 2	Health and Human Resources	DSS	$1,720,000.00	7/1/2019	12/31/2021	Not Funded	GF	$1,720,000.00		$0.00		$0.00
EO19_DSS_Automated Program to Enforce Child Suppor	Category 2	Health and Human Resources	DSS	$1,720,000.00	7/1/2019	12/31/2021	Not Funded	GF	$1,720,000.00		$0.00		$0.00
EO19_DSS_Background Investigation System (BIS)	Category 2	Health and Human Resources	DSS	$1,720,000.00	7/1/2019	12/31/2021	Not Funded	GF	$1,720,000.00		$0.00		$0.00
EO19_DSS_Central Registry System (CRS)	Category 2	Health and Human Resources	DSS	$1,720,000.00	7/1/2019	12/31/2021	Not Funded	GF	$1,720,000.00		$0.00		$0.00
EO19_DSS_Data Warehouse (DW)	Category 2	Health and Human Resources	DSS	$1,720,000.00	7/1/2019	12/31/2021	Not Funded	GF	$1,720,000.00		$0.00		$0.00
EO19_DSS_Document Management Imaging System (DMIS)	Category 2	Health and Human Resources	DSS	$1,720,000.00	7/1/2019	12/31/2021	Not Funded	GF	$1,720,000.00		$0.00		$0.00
EO19_DSS_Online Automated Services Information Sys	Category 2	Health and Human Resources	DSS	$1,720,000.00	7/1/2019	12/31/2021	Not Funded	GF	$1,720,000.00		$0.00		$0.00
EO19_DSS_Systems Partnering in a Demographic Repos	Category 3	Health and Human Resources	DSS	$1,700,000.00	7/1/2019	12/31/2019	Not Funded		$0.00		$0.00		$0.00
EO19_TAX_Aggregate_ReHost	Category 2	Finance	TAX	$1,076,800.00	7/29/2019	7/30/2021	Not Funded	GF	$1,076,800.00		$0.00		$0.00
EO19_VDH_Aggregate_ReHost	Category 2	Health and Human Resources	VDH	$3,321,300.00	12/1/2019	6/1/2021	Not Funded		$0.00		$0.00		$0.00
EO19_VDH_CHAAMPS_ReHost	Category 3	Health and Human Resources	VDH	$1,266,000.00	12/1/2019	12/1/2021	Not Funded		$0.00		$0.00		$0.00
Hire Vue Interviewing Tool Project	Category 3	Transportation	VDOT	$3,307,300.00	9/15/2021	1/1/2024	Fully Funded GF/NGF 100%		$0.00		$0.00	GF/NGF	$1,153,700.00
Land Use and Outdoor Advertising Permit Processes	Category 4	Transportation	VDOT	$1,797,276.00	10/1/2021	7/1/2021	Fully Funded NGF 100%	NGF	$899,237.00	NGF	$898,039.00		$0.00
Maintenance Management System Project	Category 3	Public Safety & Homeland Security	DOC	$2,750,000.00	3/15/2021	8/31/2021	Fully Funded GF/NGF 100%	GF	$1,648,000.00	GF	$284,000.00		$0.00
Medicaid Dental Program	Category 2	Health and Human Resources	DMAS	$1,000,000.00	9/30/2020	6/30/2021	Partially Funded GF/NGF	GF	$1,000,000.00		$0.00		$0.00
Multimodal Mobility Enhancement DI Project	Category 3	Transportation	VDOT	$3,200,200.00	10/15/2021	9/30/2022	Fully Funded GF/NGF 100%		$0.00	NGF	$1,000,000.00	NGF	$1,700,000.00
OT Service and Asset Management Solution Project	Category 2	Transportation	VDOT	$1,540,000.00	10/15/2021	12/31/2021	Fully Funded NGF 100%		$0.00	NGF	$1,540,000.00		$0.00
Pharmaceutical Services	Category 2	Public Safety & Homeland Security	DOC	$46,000,000.00	11/16/2020	4/30/2022	Fully Funded NGF 100%		$0.00	GF	$10,000,000.00	GF	$9,000,000.00
Primary Election System - Project	Category 1	Administration	ELECT	$28,000,000.00	10/26/2020	9/7/2023	Partially Funded GF/NGF	GF	$8,000,000.00	GF	$12,000,000.00	GF	$10,000,000.00
Replace LiveScan System Project	Category 2	Public Safety & Homeland Security	VSP	$3,550,895.00	9/1/2021	6/30/2023	Fully Funded GF/NGF 100%		$0.00		$1,396,554.00		$2,154,341.00
RUMS Replacement Project	Category 3	Transportation	VDOT	$4,961,100.00	10/1/2021	6/30/2023	Fully Funded NGF 100%	NGF	$3,156,480.00	NGF	$1,804,620.00		$0.00
Traffic Monitoring System Replacement Project	Category 3	Transportation	VDOT	$5,368,200.00	11/1/2021	1/1/2024	Fully Funded NGF 100%		$0.00		$0.00		
VDEM - EOC and governor's situation room AV/VTC	Category 2	Public Safety & Homeland Security	VDEM	$2,250,000.00		5/31/2022	Partially Funded GF/NGF	GF	$1,550,000.00	GF	$700,000.00		$0.00
Victims Services Technology Project (formerly Prog	Category 3	Public Safety & Homeland Security	DCJS	$1,150,000.00	7/29/2020	9/30/2022	Fully Funded NGF 100%	NGF	$1,100,000.00		$0.00		$0.00
Web Content Management DXP Project	Category 3	Transportation	VDOT	$2,312,900.00	9/15/2021	1/1/2024	Fully Funded NGF 100%		$0.00		$0.00	NGF	$2,312,900.00
WIC EBT Project	Category 3	Health and Human Resources	VDH	$6,000,000.00	3/10/2021	12/30/2021	Fully Funded NGF 100%	NGF	$3,000,000.00	NGF	$3,000,000.00		$0.00

Project	Mandatory?	Federal Mandate?	State Mandate?	Other Mandate?	Need GF FY22	Need NGF FY22	Need GF FY23	Need NGF FY23	Need GF FY24	Need NGF FY24
AI-Based System for Incident Management Project										
Body Worn/In Car Cameras - Project										
Case Management Project										
Case Management Records Management and Dispatch System	Yes	Yes	Yes		$2,500,000.00	$2,500,000.00	$8,000,000.00	$2,000,000.00		
CBORD Replacement - Statewide Food Service Project										
Child Support Refactoring Project	Yes	Yes	Yes							
CRIS - Criminal and RapBack Information System	Yes	Yes	Yes			$5,947,500.00		$1,144,704.00		
Crossroads Project						$2,000,000.00		$2,000,000.00		$2,000,000.00
CSB DX (CCS, Little CARS)	Yes	Yes	Yes							
DBHDS Incident Management System Project										
DBVI-VIB ERP Implementation (Financials & Mfg)										
DHCD Rent Relief Program Project	Yes	Yes								
Digitize Bridge Inspection Reports Project										
DWDM Fiber Network Build Project										
eGovernment Self Help Expansion My Virginia TAX										
Electronic Healthcare Records	Yes	Yes	Yes							
EO19_DEQ_Aggregate_Rehost	Yes		Yes							
EO19_DSS_ADAPT RO (Read Only)	Yes		Yes							
EO19_DSS_Automated Program to Enforce Child Suppor	Yes		Yes							
EO19_DSS_Background Investigation System (BIS)	Yes		Yes							
EO19_DSS_Central Registry System (CRS)	Yes		Yes							
EO19_DSS_Data Warehouse (DW)	Yes		Yes							
EO19_DSS_Document Management Imaging System (DMIS)	Yes		Yes							
EO19_DSS_Online Automated Services Information Sys	Yes		Yes							
EO19_DSS_Systems Partnering in a Demographic Repos	Yes		Yes							
EO19_TAX_Aggregate_ReHost	Yes		Yes							
EO19_VDH_Aggregate_ReHost	Yes		Yes							
EO19_VDH_CHAAMPS_ReHost	Yes		Yes							
Hire Vue Interviewing Tool Project										
Land Use and Outdoor Advertising Permit Processes										
Maintenance Management System Project					$1,648,000.00		$284,000.00			
Medicaid Dental Program										
Multimodal Mobility Enhancement DI Project										
OT Service and Asset Management Solution Project										
Pharmaceutical Services	Yes	Yes	Yes							
Primary Election System - Project	Yes	Yes	Yes		$2,000,000.00	$10,000,000.00	$10,000,000.00			
Replace LiveScan System Project										
RUMS Replacement Project						$3,000,000.00		$3,000,000.00		$3,000,000.00
Traffic Monitoring System Replacement Project	Yes	Yes								
VDEM - EOC and governor's situation room AV/VTC										
Victims Services Technology Project (formerly Prog										
Web Content Management DXP Project										
WIC EBT Project	Yes	Yes	Yes							

#	Project Name	Proponent Agency	Phase	Period	Category	CIO Assessment
1	Accounts Payable Automation Project	501 Department of Transportation	Execution & Control	Jun 2021	Category 4	On Track
2	APECS Document Phase II	765 Department of Social Services	Execution & Control	Jun 2021	Category 4	On Track
3	Automated Fingerprint Identification System (AFIS)	156 Department of State Police	Detailed Planning	Jun 2021	Category 2	Warning
4	Cardinal HCM Interfaces Project	720 Department of Behavioral Health and Development	Execution & Control	Jun 2021	Category 2	On Track
5	Cardinal Statewide HCM	151 Department of Accounts	Execution & Control	Jun 2021	Category 1	On Track
6	CEDAR Upgrade Project	501 Department of Transportation	Execution & Control	Jun 2021	Category 4	On Track
7	Child Support Payment Processing	765 Department of Social Services	Execution & Control	Jun 2021	Category 3	On Track
8	CTP Modernization Project	136 Virginia IT Agency (VITA)	Execution & Control	Jun 2021	Category 2	On Track
9	Data Center Move	136 Virginia IT Agency (VITA)	Execution & Control	Jun 2021	Category 1	Warning
10	Data Stage Upgrade Project	501 Department of Transportation	Detailed Planning	Jun 2021	Category 4	On Track
11	DBHDS WaMS DOJ and MES Enhancements	720 Department of Behavioral Health and Development	Execution & Control	Jun 2021	Category 4	On Track
12	DCSE Power BI Report Conversion	765 Department of Social Services	Detailed Planning	Jun 2021	Category 4	Suspended
13	DGS DCLS Microsoft DTRA Implementation	194 Department of General Services	Execution & Control	Jun 2021	Category 4	On Track

#	Project Name	Proponent Agency	Phase	Period	Category	CIO Assessment
14	DMV Project 2019: Repl Remittance Processing Syst	154 Department of Motor Vehicles	Execution & Control	Jun 2021	Category 4	On Track
15	DMV Project 2020: Replace Commercial Lic WC Syst	154 Department of Motor Vehicles	Execution & Control	Jun 2021	Category 4	On Track
16	DOCTime - DOCXL and TAL Replacement Project	799 Department of Corrections	Execution & Control	Jun 2021	Category 2	On Track
17	DOJ - Licensing System	720 Department of Behavioral Health and Development	Execution & Control	Jun 2021	Category 2	Warning
18	DPOR Systems Replacement - Project	222 Dept. of Professional & Occupational Regulatio	Detailed Planning	Jun 2021	Category 1	On Track
19	EAP Direct Deposit (CR 534)	765 Department of Social Services	Execution & Control	Jun 2021	Category 4	Warning
20	Early Intervention Part C Data System (ITOTS)	720 Department of Behavioral Health and Development	Detailed Planning	Jun 2021	Category 2	On Track
21	Electronic Discharge Monitoring Reports System Mod	440 Department of Environmental Quality	Execution & Control	Jun 2021	Category 4	On Track
22	Enterprise Electronic Procurement Solution 2019	194 Department of General Services	Detailed Planning	Jun 2021	Category 1	On Track
23	EO19_DCJS_Grants Management Information System_Rep	140 Department of Criminal Justice Services	Execution & Control	Jun 2021	Category 2	On Track
24	Facilities Maintenance Management System Project	501 Department of Transportation	Detailed Planning	Jun 2021	Category 4	On Track
25	Financial Management System Upgrade	182 Virginia Employment Commission	Execution & Control	Jun 2021	Category 4	On Track
26	Firearms VCheck 2.0	156 Department of State Police	Execution & Control	Jun 2021	Category 2	On Track
27	Human Capital Management Cloud Implementation Proj	501 Department of Transportation	Execution & Control	Jun 2021	Category 2	On Track

#	Project Name	Proponent Agency	Phase	Period	Category	CIO Assessment
28	Identity Access Management System (IAMS)	260 Virginia Community College System	Execution & Control	Jun 2021	Category 3	On Track
29	Instructional Improvement System Project - 2020	201 Department of Education	Detailed Planning	Jun 2021	Category 2	Problem
30	Integrated HIV Care and Prevention Data System-ADA	601 Department of Health	Execution & Control	Jun 2021	Category 1	On Track
31	MES Data Warehouse	602 Department of Medical Assistance Services	Execution & Control	Jun 2021	Category 1	On Track
32	MES Fee for Service and Core Processing	602 Department of Medical Assistance Services	Execution & Control	Jun 2021	Category 1	On Track
33	MES Integration	602 Department of Medical Assistance Services	Execution & Control	Jun 2021	Category 1	On Track
34	Messaging Services 2.0 Project	136 Virginia IT Agency (VITA)	Execution & Control	Jun 2021	Category 2	On Track
35	MSI Data Center Architectural Review Project	136 Virginia IT Agency (VITA)	Closeout	Jun 2021	Category 4	On Track
36	New Credential Management System	140 Department of Criminal Justice Services	Detailed Planning	Jun 2021	Category 4	On Track
37	No Wrong Door - Virginia Interactive SOW - Project	262 Department for Aging and Rehabilitative Servic	Detailed Planning	Jun 2021	Category 4	Problem
38	ODW GEC Project	601 Department of Health	Execution & Control	Jun 2021	Category 4	On Track
39	OneMind Cerner Millennium Replacement Project	720 Department of Behavioral Health and Development	Closeout	Jun 2021	Category 1	On Track
40	Oracle E-Business AR Modules	156 Department of State Police	Execution & Control	Jun 2021	Category 2	On Track
41	Outsource Call Center Staffing and Telephony	182 Virginia Employment Commission	Execution & Control	Jun 2021	Category 4	Warning
42	Poultry Waste Transfer	440 Department of Environmental Quality	Execution & Control	Jun 2021	Category 4	On Track
43	Project - TRS - New Accounting and Reporting System	152 Department of the Treasury	Detailed Planning	Jun 2021	Category 3	On Track

#	Project Name	Proponent Agency	Phase	Period	Category	CIO Assessment
44	PROJECT: MAINFRAME 2022 - COIN System	157 Compensation Board	Detailed Planning	Jun 2021	Category 2	On Track
45	Robotic Process Automation (RPA) - Blue Prism	765 Department of Social Services	Execution & Control	Jun 2021	Category 4	On Track
46	RPP - Enterprise Licensing Solution	765 Department of Social Services	Detailed Planning	Jun 2021	Category 1	On Track
47	SMART Portal 2022 Project	501 Department of Transportation	Execution & Control	Jun 2021	Category 4	On Track
48	SNAP Knowledge Base	765 Department of Social Services	Execution & Control	Jun 2021	Category 2	On Track
49	SOR System Replacement	156 Department of State Police	Execution & Control	Jun 2021	Category 2	On Track
50	STARS Infrastructure and Subscriber Upgrade	156 Department of State Police	Execution & Control	Jun 2021	Category 1	On Track
51	Statewide Traffic Signal System Project	501 Department of Transportation	Execution & Control	Jun 2021	Category 4	On Track
52	Teacher Education and Licensure (TEAL) Upgrade Pro	201 Department of Education	Execution & Control	Jun 2021	Category 4	On Track
53	TRACER -Law Enforcement Records Management System	140 Department of Criminal Justice Services	Execution & Control	Jun 2021	Category 2	On Track
54	Transition UI Claims Intake Project	182 Virginia Employment Commission	Execution & Control	Jun 2021	Category 4	On Track
55	TRS New Unclaimed Property SaaS Solution Project	152 Department of the Treasury	Detailed Planning	Jun 2021	Category 3	On Track
56	Unemployment Insurance Modernization	182 Virginia Employment Commission	Execution & Control	Jun 2021	Category 1	Warning
57	VEC Fraud Data Analytics	182 Virginia Employment Commission	Execution & Control	Jun 2021	Category 4	On Track
58	VSP Transformation Project	136 Virginia IT Agency (VITA)	Detailed Planning	Jun 2021	Category 1	On Track

#	CIO Comments	APA
1	Project is on track. Development configurations and Software Integration testing (SIT) was completed successfully and team is now starting User Acceptance Testing (UAT). Issues regrading the OKTA configurations, the form server and the Hyland thick client were resolved by the vendor. The Business Unit was provided access to the application and have been familiarizing themselves and getting their questions answered by the development team.	Not under review at this time.
2	Regina Newman, scrum master, has taken over as project manager after the most recent project manager, Beth Wyatt, left DSS. The project cost and schedule has expanded before Regina took over, and a formal baseline change request has not been processed. However, the project is very near completion (target closeout is Sept 1. 2021) and the outlook is very positive, as all deliverables have been delivered. Expect project closeout report in September.	Not under review at this time.
3	Yellow assessment due to schedule. A delay in contract negotiations has caused the schedule to slip.	Not under review at this time.
4	Project is proceeding on budget, on scope, and on schedule. Risks and issues are being managed well. Project Team has a good working relationship with the Cardinal Enterprise team.	Not under review at this time.
5	Project is progressing well for scope, schedule and budget. Executive management and project teams are working well together to ensure project success. The application team continues preparing for Release 1 final deployment. The Technical Team is monitoring performance for proactive tuning for go-live, in addition to OCI capacity adjustments. Of 102 assembled agencies, 99 agencies are Green (97%) and 3 agencies are Yellow (3%). Risk mitigation plans and strategies are in place to avoid, mitigate and/or transfer risk.	Under review; APA concurs with PMD review.
6	Three additional sprints were added to provide additional time and bandwidth to complete as many high priority requirements as possible. These changes will not put VDOT over the 10% managed baseline change threshold for budget or schedule that would require a CCR (Change Control Request). Previously scheduled User Acceptance Testing (UAT) and subsequent Production deployment is on hold pending resolution of bugs that still need to be remediated from Release 7.4. Working with Vendor to expedite remediation of in-scope bugs. Full expectation to complete deployment of TMDL to Production and close project by 10/29/21.	Not under review at this time.
7	Making progress towards August implementation. Fixed price contract on target, along with scope. Risks and issues are being managed.	Not under review at this time.
8	Capability and Technology Management (CTM) configuration workshops are underway. Project team is using EO-19 as the core proof-of-concept (POC) for CTM. Meetings are being held with VITA subject matter experts to further define CTM user stories. Flexera continues to work with VITA on the POC for CTM data cleansing/normalization; however, access to ServiceNow remains a challenge and is now an issue. Work continues on SCM data mapping under Portfolio and Resource Management (PRM) along with PRM to CTM connectors which are dependent on access to ServiceNow.	Not under review at this time.
9	Yellow assessment due to schedule and risk. Cloud migrations, in particular OCI migrations, are experiencing technical challenges; there are (roughly) 5 agency level migration projects that are red; this is getting Executive-level attention. The main vendor is performing well; however, there is a continuing risk of schedule slippage. Overall, the project is well-managed and well-executed. The final move event should be later in July.	Not under review at this time.
10	New category-4 project. Project Initiation Approval (PIA) granted 7/1/2021. First status report will be due in January for the December reporting period.	Not under review at this time.
11	Green assessment. A category 4 project that is being completed in collaboration with DMAS.	Not under review at this time.
12	As of July 19, SOW was nearing finalization regarding scope, schedule and budget. Once the SOW is finalized and approved, the project will come out of suspension and EAC and Completion Date will be updated. No external vendor work has begun on the actual project, although there have been some internal preparations.	Not under review at this time.
13	Risks are being managed as the project change request finalizes due to customer dependencies delays and Azure dev-ops set up. Procurement (PGR) has been amended.	Not under review at this time.

#	CIO Comments	APA
14	A change request was processed during this reporting period to modify project dates as the vendor had to rework a portion of the image processing software to improve read accuracy. Databank plans to deliver the updated proof of concept at the end of July 2021 and then, if approved by DMV, will build out the development environment with those changes. Databank also expects testing to start late Aug / early Sept, quickly followed by training in September and go live in October 2021. This change realigned the timeline to reflect those new dates. Scope and budget are on track.	Not under review at this time.
15	DMV is making progress with the CLWC system rewrite. The project is right on track, and they are at the finish lines in completing the Driver Training Schools (DTS) application, which includes business rules and validations, covering the main transactions, UI interface, and integration with the mainframe. They continue getting requirements for the Driver Improvement Clinics (DIC) and breaking the work development into pieces to deliver it incrementally.	Not under review at this time.
16	Green assessment (trending yellow) due to schedule. Project has been in pilot since May using the new system. DOC had planned to complete the Pilot in July but have had some system function issues that need to be corrected delaying Go Live. Once they have confidence that the system is fully operational with everything working as expected they will reassess the go live dates. At that time they will know if they need to create a project change request.	Not under review at this time.
17	Yellow assessment due to schedule and scope. There are pending change requests to extend the schedule by 2 months and increase scope to include missing functionalities during testing. Project costs are 30% less than budgeted. This project is well-managed.	Not under review at this time.
18	Significant technical achievement realized in establishing communications via the Prisma Tunnel which had been a significant issue to project success. Project is now green and the agency can access the environments established earlier by the vendor, System Automation. DPOR has provided all the business requirements for Phase 1 and the vendor has started configuring the system. Working sessions have been held to discuss issues and review the configuration. The agency has also provided requirements for the lock-box interface and is working to collect the requirements for education and exam interfaces.	Not under review at this time.
19	Yellow assessment due to schedule. Project start was delayed due to SOW approval delays. Should be pretty straightforward once SOW is approved. Targeting November, rather than original date of August, for release into production. Green trajectory.	Not under review at this time.
20	Green assessment. Contract awarded to Strategic Solutions Group.	Not under review at this time.
21	Project is progressing for scope and budget. Change Control Request submitted for schedule due to resources reallocation to a different effort. No impact to scope or budget. Acceptance testing and production implementation will continue once resources are reassigned. Executive management and project teams are fully engaged.	Not under review at this time.
22	The project steering committee remains highly engaged and risks are being managed effectively. Project remains on-track with major milestones.	Not under review at this time.
23	Project status is green. All configuration and customization has officially been completed. Continue data migration work until September.	Not under review at this time.
24	The project team is working well with the project on track to meet planned business goals and the associated measures of success. Work is ongoing to approve the Statement of Work for procurement.	Not under review at this time.
25	Project detailed planning underway. Vendor, through CAI has been identified. Risks and issues are being managed effectively.	Not under review at this time.
26	Completed legislative work for July 1, 2021. UAT environment finished and tested, migrated VCheck Reports from Crystal to WEBi (2 of 5), completed NICIS INDICIES, work on Multiple Handgun Permit, Gun Query started, continued work on SP65B.	Not under review at this time.
27	This project received Detailed Planning Approval on 29 JUN 2021 to begin project execution. Project schedule/milestones were updated in the project charter and project schedule in Planview to reflect final contracted timelines with the Supplier as well as schedule contingency as requested by the project sponsor and Assistant Division Administrator for IT. Project proceeding according to plan. Project kickoff took place.	Not under review at this time.

#	CIO Comments	APA
28	Tier II Project. The project is on track with major milestones and key status indicators.	Not under review at this time.
29	Red assessment due to schedule and late delivery of the VITA AWS environment. Agency reports there has been no progress has been made in accessing the AWS environment resulting in significant schedule slippage. This issue has been escalated.	Not under review at this time.
30	Project status is Green. Set to go into production in August.	Not under review at this time.
31	Green assessment, as of June 10, 2021 schedule rebaseline. MES Program component project. The baseline change request adds more functionality, 9% additional cost and 23 months to the schedule. Still, over 80% of the EDWS system has been in production for over one year, and is performing well. CMS certification has begun. The project is well managed and is performing well under a dynamic environment.	Under review; APA concurs with PMD review.
32	Green assessment, as of June 10, 2021 schedule rebaseline. MES Program component project. The baseline change request generally adds work required to revert certain MCSS functions to the legacy MMIS fiscal agent, as well as work required for other MES modules to modify their solutions to work with the remedial Core solution. This adds 32% additional cost and 33 months to the schedule. This represents a major, strong movement to complete the final MES rollout in April 2022. Project is very well managed and PMD judged the new approach to be necessary and sufficient for project success.	Under review; APA concurs with PMD review.
33	Green assessment, as of June 10, 2021 schedule rebaseline. MES Program component project. Project was suspended by CIO per DMAS request on October 9, 2020. The ISS project vendor has been providing daily MES operations for almost 1 year. The baseline change request generally adds work required to accommodate the changes required by the remedial MES Core solution, including testing leading up to the April 2022 rollout. This adds 28% additional cost and 28 months to the schedule. Project is very well managed and PMD judged the new approach to be necessary and sufficient for project success.	Under review; APA concurs with PMD review.
34	Project just starting in late June.	Not under review at this time.
35	Project deliverables have been delivered and accepted. Project expected to close out under-budget. Notice of Completion (NOC) issued June 22nd, reference PRJ0011624 - QTS Data Center Architecture. Project is in the closeout phase.	Not under review at this time.
36	Project kick off scheduled for Friday, July 16, 2021 and will entering detailed planning phase.	Not under review at this time.
37	Red assessment (trending yellow) until current project status documents have been updated and reviewed with the agency PM.	Not under review at this time.
38	Project status is green. Two of the four pieces of software have been implemented successfully.	Not under review at this time.
39	Green assessment. Change request is pending to include a stabilization period. This is a well-run project.	Not under review at this time.
40	Project status is green, Completed Epic 1 & Epic 2 UAT sessions. Preparing for Go Live in August.	Not under review at this time.
41	Yellow assessment due to schedule. The competitive procurement was delayed due to pandemic related workload and a change request is being drafted to reflect the new timeline.	Not under review at this time.
42	Project is progressing well for scope and budget. Change Control Request submitted for a schedule change required for additional testing. Executive management and project teams are working well together for project success. Release 1 – Requirements & Process Analysis completed with current and future state assessments completed. Release 2 – Updates to Compliance and Non-Compliance Tabs have been completed. Release 3 is in progress to provide new functionality.	Not under review at this time.
43	New category-3 project. Project Initiation Approval (PIA) granted 6/1/2021. First status report due in October for the period ending 9/30/2021.	Not under review at this time.

#	CIO Comments	APA
44	Project is progressing for scope, schedule and budget. Executive management and project team are working together to ensure project success. Working with vendor on SOW deliverables and requirements.	Not under review at this time.
45	Project is progressing toward targeted August 3, 2021 rollout. Currently in final regression testing; issues are being worked and managed. Rollout slightly delayed from initial target of June 21, however there are no mandates or external dependencies driving the deadline of this project. On track for scope, schedule and budget.	Not under review at this time.
46	Project kickoff 7/20/21. Scope, schedule and budget on track so far.	Not under review at this time.
47	The project team just start development for the first deliverable for this contract. So far we are progressing as planned.	Not under review at this time.
48	Project given Detailed Planning Approval on 7/22/21. Project appears to be on track for completion within managed baselines for scope, schedule and budget.	Not under review at this time.
49	Project status is green. The vendor is 97% done with the Public Website and worked on SOR Modules and Interfaces. VSP continued working on the future VPN network configuration between AWS and VSP and is awaiting a new RFS from VITA for this. VSP plans to finalize the new LN Change Order for the interface changes with the vendor as well and begin the change request at VITA.	Not under review at this time.
50	Project status is green. Completed 8 hops for Microwave Phase 2; 79 of 111 total hops in project have been completed. Subscriber Upgrade Rebid proposals were received on 6/3/21 and VSP is reviewing.	Under review; APA concurs with PMD review.
51	During the last two quarters of FY21 the project has provided seven (7) training sessions on the KITS software to VDOT staff. The vendor has configured 80 percent of the signalized intersections in the system that it was tasked to complete. The Statement of Work was modified and a purchase order was issued on April 29, 2021 for the vendor to complete up to 900 more intersection configurations for VDOT. Software customizations have been completed; the final system software has been deployed; and the final system documentation has been provided along with the final User Acceptance Test plan. The final intersection configurations will be completed by the vendor by Mid-August; additional feature-specific training will be provided to VDOT staff; and the User Acceptance Testing (UAT) is scheduled the end of July or early August. The project is on budget and is on schedule for closeout by August 30, 2021.	Not under review at this time.
52	Risks are being identified and managed. Project in on track.	Not under review at this time.
53	Project status is green. Training & UAT completed on 7/16 and Go Live was 7/30.	Not under review at this time.
54	The project has been successfully meeting business objectives and deadlines. Project risks and issues are being managed effectively.	Not under review at this time.
55	New category-3 project. Project Initiation Approval (PIA) granted 7/9/2021. First status report due in October for the period ending 9/30/2021.	Not under review at this time.
56	Yellow assessment (trending red) due to schedule and risk. The agency continues to work through extremely heavy demand for unemployment services while also preparing for the Iteration-03 Benefits/Appeals go-live on October 1st, 2021. Time and resource constraints are increasing project risk. Mitigation strategies are being evaluated and put in place. Project team and steering committee remain heavily engaged and all efforts/resources are focusing on successful implementation and effective communications.	Under review; APA concurs with PMD review.
57	Project remains on-track. Risks are being managed effectively.	Not under review at this time.
58	Green assessment (trending yellow) due to schedule. Project plans reviewed for each of the four Phase-1 projects (RFS-8011 HQ Network, RFS-8012 Division Network (Field Sites), RFS-8013 Active Directory Services, RFS-8014 End User Services) with two project plans receiving approval. Challenges have surfaced with Phase-1 project solution proposals. Project team is engaging suppliers to gain additional insights on supplier approach and to identify risks and issues.	Not under review at this time.

Appendix C – 2021
Major IT Project Descriptions

Project Formal Title: AI-Based System for Incident Management Project
Agency: Department of Transportation (VDOT)
Secretariat: Transportation
Investment Status: Investment Business Case 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.

Appendix C – 2021 Major IT Project Descriptions

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.

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: BO Reports Migration to Power BI - Project
Agency: Department of Taxation (TAX)
Secretariat: Finance
Investment Status: Project Initiation Approval

Project Description:

Virginia Tax will migrate business objects reports to power BI. Power BI's robust features and capabilities directly align with the Commonwealth's and the Agency's strategic objective to empower users to utilize data to make sound business decisions. Virginia Tax will utilize professional services via staff augmentation to migrate 650 Business objects reports to Power BI.

Project Scope:

Virginia Tax is seeking approval to secure resources to migrate business objects reports to power BI. Power BI's robust features and capabilities directly align with the Commonwealth's and the Agency's strategic objective to empower users to utilize data to make sound business decisions. Virginia Tax will utilize professional services via staff augmentation to migrate 650 Business objects reports to Power BI.

PowerBI product is a VITA approved offering and is part of the Microsoft suite.

This is a state approved contract and is EO19 compliant. All TAX servers are VMs at QTS.

Virginia Tax will migrate existing Business Objects reports to Power BI solution platform. This migration is directionally correct and in line with the Governors and VITA EO19 Initiative.

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: Body Worn/In Car Cameras - Project
Agency: Department of State Police (VSP)
Secretariat: Public Safety & Homeland Security
Investment Status: Investment Business Case Approval

Project Description:

Implement a SaaS solution to provide body worn and in car cameras for all troopers in the agency.

Project Scope:

Implement a SaaS solution to provide body worn and in car cameras for all troopers in the agency.

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: Cardinal HCM Interfaces Project
Agency: Behavioral Health and Developmental Services (DBHDS)
Secretariat: Health & Human Resources
Investment Status: Project Initiation Approval

Project Description:
The Cardinal HCM Interfaces project will require 5 parallel efforts:

1. Fulfilling all the information gathering tasks, design work, testing and training efforts required by the Cardinal Human Capital Management (HCM) project team
2. Reconfiguring DBHDS Kronos Timekeeping system to capture Cardinal HCM-specific information
3. Developing and testing a new DBHDS Kronos interface to Cardinal HCM
4. Developing and testing a new DBHDS FMS interface from Cardinal HCM
5. Developing and testing a new DBHDS HOPS interface from Cardinal HCM

Project Scope:
Cardinal HCM is the Commonwealth's initiative to replace CIPPS, PMS, BES, and TAL as the Commonwealth's Human Capital Management system.

Kronos is the time and attendance tracking system currently utilized by DBHDS.
HOPS and FMS are in use by DBHDS in daily operations.
The Cardinal HCM Interfaces project will require 5 parallel efforts:

1. Fulfilling all the information gathering tasks, design work, testing and training efforts required by the Cardinal Human Capital Management (HCM) project team
2. Reconfiguring DBHDS Kronos Timekeeping system to capture Cardinal HCM-specific information
3. Developing and testing a new DBHDS Kronos interface to Cardinal HCM
4. Developing and testing a new DBHDS FMS interface from Cardinal HCM
5. Developing and testing a new DBHDS HOPS interface from Cardinal HCM

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: Cardinal Statewide HCM
Agency: Department of Accounts (DOA)
Secretariat: Finance
Investment Status: Project Initiation Approval

Project Description:
Cardinal is the Commonwealth's Enterprise Resource Planning (ERP) system for administrative systems. Cardinal has implemented financial modules via several system rollouts at Virginia Department of Transportation (VDOT), Department of Accounts (DOA), ~140 agencies (Wave 1 of Statewide Rollout) and is in the process of implementing Cardinal at another ~134 agencies as part of Wave 2 of the Statewide Rollout of financials. The Commonwealth's current Payroll system is CIPPS. CIPPS was implemented in the mid-1980s. It is a purchased software package supported by Infor Global Solutions (formerly McCormack and Dodge, Dun and Bradstreet, and GEAC). The current application runs on the IBM mainframe and is written in COBOL. Infor has announced technical support for the application will end May 31, 2018. The Commonwealth will expand the Cardinal system to include the necessary PeopleSoft modules to meet the payroll functional requirements. This will result in the design, development, test and deployment of a new payroll system to over 200 state agencies. At the end of this implementation, CIPPS will be retired.

Project Scope:

The Cardinal Statewide HCM implementation will span approximately 30 months and consist of two releases as part of its scope. This involves rolling the system out to an estimated 665 individual agencies/localities, covering an estimated 10,000 core users, and 200,000 self-service users.

Release 1: deploys the system to all benefit-only entities and a pilot group of payroll agencies representing approximately 10 percent of the active employee population currently processed by CIPPS. The payroll-pilot group will include Virginia Department of Transportation (VDOT), Department of Accounts (DOA), Department of Human Resource Management (DHRM), and representative interfacing agencies. The new reports, interfaces, conversion and extensions (RICE) functionality will be delivered in Release 1. This will include the modification of some existing VDOT customizations and new functionality delivered as part of the HCM Project.

Release 2: Delivers the system to the remaining agencies. At the conclusion of Release 2, it is anticipated that Cardinal will replace CIPPS, PMIS, and BES as the Commonwealth's integrated HCM system of record.

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: Case Management Project
Agency: Department of Health (VDH)
Secretariat: Health and Human Resources
Investment Status: Investment Business Case Approval

Project Description:

The Office of Epidemiology (OEPI) has an immediate need to implement a Case Management system in support of field staff who are responding to COVID-19 case investigation and contact tracing activities. The staff need a standardized, efficient, and supported way to manage the associated workflows, track real-time status of case assignment and contact attempts, support smooth hand-offs and documentation of action, and coordination of assignments across large and largely virtual teams. This tool needs to sit on top of VEDSS to enhance the staff's ability to assign from work queues, search contact attempts and interview status, and facilitate efficient and effective workflow support - ideally for COVID-19 and beyond. The proposed name for this system is Virginia Case Assessment and Management System (VCAMS). Procurements for this project included Microsoft services and software licenses and cost of VITA to set up the environments. The tool set is MS Dynamics, the service is Dataverse and it is hosted in the VITA MSDynamics Cloud environment so it is EO19 compliant.

Project Scope:

The Office of Epidemiology (OEPI) has an immediate need to implement a Case Management system in support of field staff who are responding to COVID-19 case investigation and contact tracing activities. The staff need a standardized, efficient, and supported way to manage the associated workflows, track real-time status of case assignment and contact attempts, support smooth hand-offs and documentation of action, and coordination of assignments across large and largely virtual teams. This tool needs to sit on top of VEDSS to enhance the staff's ability to assign from work queues, search contact attempts and interview status, and facilitate efficient and effective workflow support - ideally for COVID-19 and beyond. The proposed name for this system is Virginia Case Assessment Management System (VCAMS).

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: Case Management Report Management and Dispatch Systems (CaRDS)
Agency: Department of State Police (VSP)
Secretariat: Public Safety and 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 items below describe the project scope:

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

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: CBORD Replacement - Statewide Food Service Project
Agency: Department of Behavioral Health and Development Services (DBHDS)
Secretariat: Health & Human Resources
Investment Status: Investment Business Case Approval

Project Description:

The purpose of this system is to assist in the management and control of food service operations throughout DBHDS including but not limited to state-of-the-art provision of food and diet preparation, nutritional analysis, menu planning, preparation of tray tickets and inventory control. The proposed system shall provide information necessary to comply with the standards and regulatory requirements.

Project Scope:

The purpose of this system is to assist in the management and control of food service operations throughout DBHDS, including but not limited to state-of-the-art provision of food and diet preparation, nutritional analysis, menu planning, preparation of tray tickets and inventory control.

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: Child Support Refactoring 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 batch functionality of DCSE application APECS currently run on mainframe using programming languages COBOL and JCL The current VITA's mainframe contract with Prospecta end June 2nd 2022. VITA is encouraging agencies to migrate off of mainframe at the earlier possible. VDSS plans to retire existing mainframe technology and replace the functionality with a Windows-based server environment by December 2022. There are approximately 450 jobs consisting of 770 programs that make up the mainframe batch schedule and executed from 6pm to 6am every day of the year. The batch application programs perform the processing of; Incoming and outgoing payments, Case management, Order enforcement and Action while interfacing with 36 external entities. These batch processes also interface with internal DSS system such as Family Services and other entities. The Project will ensure all the batch jobs are identified and migrated to a new server based environment solution. The project will ensure the Software development principles are followed and the functionality is thoroughly tested prior to production use. The project will use industry standard (Agile) project methodology. The project will also seek recertification from the federal Office of Child Support Enforcement (OCSE). The Mainframe batch migration is expected to be performed by a vendor. The vendor is expected to be selected by RFP process.

Project Scope:

VDSS plans to retire existing mainframe technology and replace the functionality with a Windows-based server environment.

There are approximately 450 jobs consisting of 770 programs that make up the mainframe batch schedule and executed from 6pm to 6am every day of the year. The batch application programs perform the processing of; Incoming and outgoing payments, Case management, Order enforcement and Action while interfacing with 36 external entities. These batch processes also interface with internal DSS system such as Family Services and other entities listed in Appendix A. The scope of this project to migrate the batch functionality to a new server based solution.

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: CRIS - Criminal and RapBack Information System
Agency: Department of State Police (VSP)
Secretariat: Public Safety & Homeland Security
Investment Status: Investment Business Case 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

Appendix C – 2021 Major IT Project Descriptions

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.

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: Crossroads Project
Agency: Department of Health (VDH)
Secretariat: Health & Human Resources
Investment Status: Investment Business Case Approval

Project Description:

The WIC Program State Agency Model (SAM) is an FNS initiative to plan, develop, and deploy model management information systems (MIS) in WIC state agencies (SAs).

The Crossroads State Consortium (XRSC) was created in response to the SAM initiative for designing, building, and implementing new WIC information systems nationwide. The Consortium consisting of 4 states, Alabama, North Carolina, Virginia, and West Virginia, awarded a contract to Computer Sciences Corporation (CSC) in 2009 to build a SAM system

Project Scope:

Software modifications to the Crossroads system will be required. Modifications will include but will not be limited to, changes necessary to meet policy, statutory or regulatory requirements, defect remediation and other changes as determined by the XRUG and the CCP.

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: CSB DX (CCS, Little CARS)
Agency: Department of Behavioral Health and Development Services (DBHDS)
Secretariat: Health & Human Resources
Investment Status: Investment Business Case Approval

Project Description:

Currently, DBHDS partners with 39 community service boards (CSBs) and 1 Behavioral Health Authority (BHA), both types having specific sections in the Virginia Code, to deliver mental health, substance use disorder, and developmental disability services and state facility to community transition services to individuals in the Commonwealth.
In order to support ongoing provided program services, DBHDS obtains Federal and State funds to allocate to CSBs every fiscal year. CSBs also obtain local and other funding sources to support these operations.

Continued funding from the various sources requires tracking and reporting back of funding use that entails data around what and how services were provided, associated performance-based outcomes, and the respective, associated financials (costs, expenditures, etc.).
There are multiple streams of data, processes, and information exchanged between the partner entities that are in need of consolidation and integration and a modern, adaptable, interoperable, streamlined method of exchange.

Project Scope:

Currently, DBHDS partners with 39 community service boards (CSBs) and 1 Behavioral Health Authority (BHA), both types having specific sections in the Virginia Code, to deliver mental health, substance use disorder, and developmental disability services and state facility to community transition services to individuals in the Commonwealth.
In order to support ongoing provided program services, DBHDS obtains Federal and State funds to allocate to CSBs every fiscal year. CSBs also obtain local and other funding sources to support these operations.

Continued funding from the various sources requires tracking and reporting back of funding use that entails data around what and how services were provided, associated performance-based outcomes, and the respective, associated financials (costs, expenditures, etc.).

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: Data Center Move
Agency: Virginia IT Agency (VITA)
Secretariat: Administration
Investment Status: Project Initiation Approval

Project Description:

The Data Center Relocation Program consists of the entire lifecycle of all of the component programs, projects and activities which will successfully transition the Commonwealth off of the physical IT infrastructure at the Chesterfield Enterprise Solutions Center (CESC) to a different computing center by the end of 2021. Transformation of the current business practices or current infrastructure is not within the scope of this program. Although it is within the scope of the program to conceive and operationalize the ongoing operations management, administration, governance and oversight of the future-state, the actual management, etc. of ongoing operations takes place after the program has transitioned these functions to the normal operations responsibilities, and is outside the scope of the ITIS Program. There are 3 major efforts (sub-programs) envisioned: (1) the EO19 subprogram effort where physical assets (i.e. servers housing agency application(s)) are virtualized where possible; this EO19 effort is coordinated by VITA, and has many separate agency projects, (2) the Virtualize subprogram is the effort where individual service towers (i.e. Managed Security, Network, etc.) have their respective software applications virtualized; and (3), the Physical Move subprogram where applications are enabled for cloud production.

Project Scope:

The Data Center Relocation Program Scope consists of the entire lifecycle of all of the component programs, projects and activities which will successfully transition the Commonwealth off of the physical IT infrastructure at the Chesterfield Enterprise Solutions Center (CESC) to a different computing center by the end of 2021.

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: Data Stage Upgrade Project
Agency: Department of Transportation (VDOT)
Secretariat: Transportation
Investment Status: Project Initiation Approval

Project Description:

This project will upgrade the DataStage technology platform to the version 11.7. DataStage is used to create and manage integrations using Extract, Load and Transform (ETL) processes. The version upgrade will include upgraded infrastructure. The project will also implement the IBM Infosphere Information Governance Catalog (IGC). This software is used to manage data across the enterprise by tracking where and how it is used in integrations. This will enable improved data management at VDOT.

Project Scope:

* Upgrade the DataStage platform to version 11.7.
* Modernize the DataStage jobs as needed to be compliant with the upgraded version.
* Install and configure the IGC and import VDOT assets into the catalog.

Appendix C – 2021 Major IT Project Descriptions

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 – 2021 Major IT Project Descriptions

Project Formal Title: DBVI-VIB ERP Implementation (Financials & Mfg)
Agency: Department of Aging and Rehabilitative Services (DARS)
Secretariat: Health and Human Resources
Investment Status: Investment Business Case 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 – 2021 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.

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: Digitize Bridge Inspection Reports Project
Agency: Department of Transportation (VDOT)
Secretariat: Transportation
Investment Status: Investment Business Case 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:

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.

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: Department of Justice (DOJ) Licensing System
Agency: Department of Behavioral Health and Developmental Services (DBHDS)
Secretariat: Health and Human Resources
Investment Status: Investment Business Case Approval

Project Description:

Under the terms of the Federal Department of Justice settlement agreement, the Department of Behavioral Health and Developmental Services (DBHDS) must collect and report data relating to compliance with the agreement. DBHDS must purchase or develop a licensing system for the storage, aggregation, and reporting of this data.

Project Scope:

Procure and customize a Licensing Commercial off the Shelf (COTS) product to support newly re-engineered Licensing process (required by the Federal Department of Justice (DOJ) settlement aimed at providing consumer services in the least restrictive environment.

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: DPOR Systems Replacement - Project
Agency: Dept of Professional & Occupational Regulation (DPOR)
Secretariat: Labor
Investment Status: Project Initiation Approval

Project Description:

The Department of Professional and Occupational Regulation is initiating a project to procure a new licensing system using the state System Automation contract. The system has the ability to accept and process online applications (including renewals) and online payments. The system will replace the current licensing system (EAGLES) as well as integrate licensing data with document management and enforcement case management data. The preferred solution will include migration of the current systems' data, records and documents into the new system; implementation of the new multi-function system (to include training); and hosting and maintenance/administration by the vendor.

Project Scope:

The new DPOR system will replace the current licensing, enforcement and document management systems by integrating the three systems into one solution that will reduce the use of paper by the Department. The new integrated system will offer the citizens of the Commonwealth more opportunities to interact with the department online. Interactive applications and forms will permit electronic submission of applications (with payment) as well as complaint submission and document requests. The system will provide the Department with more efficient workflow management, investigation management, document/report generation and record retrieval/management.

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: DWDM Fiber Network Build Project
Agency: Department of Transportation (VDOT)
Secretariat: Transportation
Investment Status: Investment Business Case Approval

Project Description:

VDOT is implementing Dense Wave Division Multiplexing technology to connect VDOT fiber in a statewide Operations Technology network.

Project Scope:

VDOT is implementing Dense Wave Division Multiplexing technology to connect VDOT fiber for a Statewide Operations Technology network.

Appendix C – 2021 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 – 2021 Major IT Project Descriptions

Project Formal Title: Electronic Healthcare Records
Agency: Department of Corrections (DOC)
Secretariat: Public Safety and Homeland Security
Investment Status: Investment Business Case 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

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: Enterprise Electronic Procurement Solution 2019
Agency: Department of General Services (DGS)
Secretariat: Administration
Investment Status: Investment Business Case Approval

Project Description:

Project will support the implementation resulting from the competitive procurement (RFP) of an Enterprise Electronic Procurement Solution. Improve user experience for the requisitioning process that reinforces purchasing entity policies. Improve catalog marketplace. Increase number of COVA public bodies and their suppliers that use eVA and decrease implementation time. Increase the number of electronic transactions/communication between businesses and the COVA. Implement electronic invoicing from vendors for purchase orders. Improve collaboration and data exchange across public entities. Improve data we make publicly available.

Project Scope:

Improve user experience for the requisitioning process that reinforces purchasing entity policies. Improve catalog marketplace. Increase number of COVA public bodies and their suppliers that use eVA and decrease implementation time. Increase the number of electronic transactions/communication between businesses and the COVA. Implement electronic invoicing from vendors for purchase orders. Improve collaboration and data exchange across public entities. Improve data we make publicly available.

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: EO19 DEQ Aggregate Rehost
Agency: Department of Environmental Quality (DEQ)
Secretariat: Natural Resources
Investment Status: Investment Business Case Approval

Project Description:

This project is part of Executive Order 19 and will re-host 17 DEQ applications.

Project Scope:

According to Executive Order 19, which requires VITA to adopt a model for evaluating and incorporating cloud services into the commonwealth's information technology (IT) strategy and services, the scope for this project includes re-hosting the applications mentioned in the BRT dependencies as they are cloud ready and just needs to move to a virtual server.

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: EO19_DSS_ADAPT RO (Read Only)
Agency: Department of Social Services (DSS)
Secretariat: Health and Human Resources
Investment Status: Investment Business Case Approval

Project Description:

This project is part of Executive Order 19 and will re-host the DSS ADAPT application.

Project Scope:

This project is part of Executive Order 19 and will re-host the ADAPT application.

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: EO19 DSS Automated Program to Enforce Child Support (APECS)
Agency: Department of Social Services (DSS)
Secretariat: Health and Human Resources
Investment Status: Investment Business Case Approval

Project Description:

This project is part of Executive Order 19 and will re-host the DSS Automated Program to Enforce Child Support application.

Project Scope:

This project is part of Executive Order 19 and will re-host the DSS Automated Program to Enforce Child Support application.

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: EO19 DSS Background Investigation System (BIS)
Agency: Department of Social Services (DSS)
Secretariat: Health and Human Resources
Investment Status: Investment Business Case Approval

Project Description:

This project is part of Executive Order 19 and will re-host the DSS Background Investigation System (BIS) application.

Project Scope:

This project is part of Executive Order 19 and will re-host the DSS Background Investigation System (BIS) application.

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: EO19 DSS Central Registry System (CRS)
Agency: Department of Social Services (DSS)
Secretariat: Health and Human Resources
Investment Status: Investment Business Case Approval

Project Description:

This project is part of Executive Order 19 and will re-host the DSS Central Registry System (CRS) application.

Project Scope:

This project is part of Executive Order 19 and will re-host the DSS Central Registry System (CRS) application.

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: EO19 DSS Data Warehouse (DW)
Agency: Department of Social Services (DSS)
Secretariat: Health and Human Resources
Investment Status: Investment Business Case Approval

Project Description:

This project is part of Executive Order 19 and will re-host the DSS Data Warehouse (DW) application.

Project Scope:

This project is part of Executive Order 19 and will re-host the DSS Data Warehouse (DW) application.

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: EO19 DSS Document Management Imaging System (DMIS)
Agency: Department of Social Services (DSS)
Secretariat: Health and Human Resources
Investment Status: Investment Business Case Approval

Project Description:

This project is part of Executive Order 19 and will re-host the DSS Document Management Imaging System (DMIS) application.

Project Scope:

This project is part of Executive Order 19 and will re-host the DSS Document Management Imaging System (DMIS) application.

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: EO19 DSS Online Automated Services Information System (OASIS)
Agency: Department of Social Services (DSS)
Secretariat: Health and Human Resources
Investment Status: Investment Business Case Approval

Project Description:

This project is part of Executive Order 19 and will re-host the DSS Online Automated Services Information System (OASIS) application.

Project Scope:

This project is part of Executive Order 19 and will re-host the DSS Online Automated Services Information System (OASIS) application.

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: EO19_DSS_Systems Partnering in a Demographic Repository
Agency: Department of Social Services (DSS)
Secretariat: Health and Human Resources
Investment Status: Investment Business Case Approval

Project Description:

This project is part of Executive Order 19 and will re-host the DSS Partnering in a Demographic Repository application.

Project Scope:

This project is part of Executive Order 19 and will re-host the DSS Partnering in a Demographic Repository application.

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: EO19 TAX Aggregate ReHost
Agency: Department of Taxation (TAX)
Secretariat: Finance
Investment Status: Investment Business Case Approval

Project Description:

This project is part of Executive Order 19 and will re-host 19 TAX applications.

Project Scope:

In support of EO19 TAX is seeking approval to procure the resources needed to progress towards the desired goal of cloud readiness for the systems identified in the cloud readiness addendum.

TAX will utilize and procure resources to refactor/re-architect/remediate systems where possible to ensure cloud readiness. In some cases additional analysis and a more complex/costly solution may be required to achieve the goal of cloud readiness, which may affect the existing cost estimate. Additionally, there may be instances after additional analysis, research, development and testing where cloud readiness may not be an option.

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: EO19 VDH Aggregate ReHost
Agency: Department of Health (VDH)
Secretariat: Health and Human Resources
Investment Status: Investment Business Case Approval

Project Description:

This project is part of Executive Order 19 and will re-host 38 VDH applications.

Project Scope:

This project is part of Executive Order 19 and will re-host 38 VDH applications.

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: EO19 VDH CHAAMPS ReHost
Agency: Department of Health (VDH)
Secretariat: Health and Human Resources
Investment Status: Investment Business Case Approval

Project Description:

This project is part of Executive Order 19 and will re-host the VDH Child and Adult Application & Meal Payment System (CHAAMPS) application.

Project Scope:

This project is part of Executive Order 19 and will re-host the VDH Child and Adult Application & Meal Payment System (CHAAMPS) application.

Appendix C – 2021 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 – 2021 Major IT Project Descriptions

Project Formal Title: Firearms VCheck 2.0
Agency: Department of State Police (VSP)
Secretariat: Public Safety and Homeland Security
Investment Status: Investment Business Case Approval

Project Description:

This project will upgrade the Firearms VCHECK Criminal Background Check System.

Project Scope:

The Virginia State Police Firearms Transaction Center (FTC) certifies that all records of persons denied the purchase of a firearm(s) due to the misdemeanor crime of domestic violence (MCDV) are already submitted to the National Instant Criminal Background Check System (NICS). In 2017, the FTC directly entered 487 domestic violence records in to the NICS Indices, and have entered 180 in 2018. Currently, Virginia maintains 1,356 records in the NICS Indices under the prohibiting category of MCDV. This procurement will upgrade the Firearms VCHECK Criminal Background Check System in the following ways:

·   Upgrade information and identification technologies for firearms eligibility determinations.

·   Supply accurate and timely information to the Attorney General concerning the identity of persons who have a federally prohibiting mental health adjudication or commitment.

·   Create electronic systems that provide accurate and up-to-date information directly related to checks under the NICS, including court disposition and corrections records.

·   Supply accurate and timely information to the Attorney General concerning final dispositions of criminal records to databases accessed by NICS.

·   Supply accurate and timely court orders and records of misdemeanor crimes of domestic violence for inclusion in federal and state law enforcement databases used to conduct NICS background checks.

·   Supply accurate and timely records of federal firearms disqualifications for inclusion in federal and state law enforcement databases used to conduct NICS background checks.

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: Hire Vue Interviewing Tool Project
Agency: Department of Transportation (VDOT)
Secretariat: Transportation
Investment Status: Investment Business Case Approval

Project Description:

Hire Vue is a Video Interviewing Tool which will allow potential candidates to submit a one-way video to the interviewing panel which contains their answers to pre-selected interview questions. Hire Vue enables a faster, fairer, friendlier hiring experience for hiring teams and candidates alike. The software integrates with market-leading ATS and calendar systems to streamline the most tedious and time-consuming hiring activities with conversational AI, video interviewing, assessments, and automated scheduling. On one platform, to solve hiring challenges, from time to hire to new hire diversity to candidate experience.

Scope:

VDOT wishes to procure an end-to-end hiring software program to facilitate and speed up the hiring process at VDOT. This software should have the following capabilities:
Virtual and video interview capabilities, AI driven skills assessments, Scheduling tool.

Appendix C – 2021 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 – 2021 Major IT Project Descriptions

Project Formal Title: Instructional Improvement System Project - 2020
Agency: Department of Education (DOE)
Secretariat: Education
Investment Status: Investment Business Case 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.
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Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: Land Use and Outdoor Advertising Permit Processes
Agency: Department of Transportation (VDOT)
Secretariat: Transportation
Investment Status: Investment Business Case 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 – 2021 Major IT Project Descriptions

Project Formal Title: Maintenance Management 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) currently uses a maintenance management system to maintain the agency's preventive and corrective maintenance program. The system tracks maintenance performed on VADOC facilities, equipment, and vehicles. It also measures corrective and preventive maintenance performance based on the agency's standards established and governed by the VADOC Governance Council. Additionally, it is used to manage material and supply inventories and the agency's weapons inventory.

Project Scope:

The replacement Warehouses Inventory system will include Material Inventory, Reporting, and Vendor Modules. The Material menu includes Material Edit, Query, Issue, Receipt, and Transfer functions. Material records provide the Item Description, Quantity-On-Hand, Location, and Transactions. Features include reorder points, row/bin identifiers, standardized item data, and a centralized data collection. Customized reporting will be implemented and provide better inventory management in real-time, statewide reporting.

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: Medicaid Dental Program
Agency: Department of Medical Assistance Services (DMAS)
Secretariat: Health and Human Resources
Investment Status: Investment Business Case 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.

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: Medicaid Enterprise System (MES) Program Data Warehouse
Agency: Department of Medical Assistance Services (DMAS)
Secretariat: Health & Human Resources
Investment Status: Project Initiation Approval

Project Description:

This is a component project within the DMAS MES Program. The data warehouse solution will provide the DMAS Agency with the ability to accomplish improved business operations through data integration, creation of data quality standards, data and business process documentation, creation of a repeatable framework, and increased security.

The RFP will present the requirements with the expectation that vendor solutions will integrate existing software components that require little or no development and where the development and implementation of business requirements is primarily configuration and testing. The business requirement is to create a single source of truth for a historical data storage.

Project Scope:

The scope of the Data Warehouse project is to seek professional services support from a vendor to implement an entire data warehouse solution from start to finish, including design, development and integration.

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: Medicaid Enterprise System (MES) Program Fee for Service and Core Processing
Agency: Department of Medical Assistance Services (DMAS)
Secretariat: Health & Human Resources
Investment Status: Project Initiation Approval

Project Description:

This is a component project within the DMAS MES Program. The MES Fee-for-Service and Core Processing addresses many of the business requirements that will comprise the MES solution, as mandated by CMS through the MITA 3.0 Framework. A RFP is required to replace and transform the system and services provided in the current MMIS contract. The specific requirement is to acquire a solution addresses the needs of several business areas:

- Business Relationship Management
- Care Management
- Eligibility and Enrollment Management
- Financial Management (limited)
- Member Management
- Operations Management
- Performance Management
- Plan Management
- Provider Management

Project Scope:

The scope of this project is to solicit proposals from vendors to provide the MES Fee-for-Service and Core Processing solution, which includes implementing a system and preparing to perform operational processes.

The selected vendor will integrate existing software components that require little or no development so that the development and implementation of business requirements is primarily configuration and testing.

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: Medicaid Enterprise System (MES) Program Integration Services Solution (ISS)
Agency: Department of Medical Assistance Services (DMAS)
Secretariat: Health & Human Resources
Investment Status: Project Initiation Approval

Project Description:

This is a component project within the DMAS MES Program. The purpose of the ISS project is to contract with a contractor who will provide a solution that will provision a self-contained, SOA-based communication broker, which provides several functionalities that are listed below, but not limited to:

- Communication Services
- Document Transfer Services
- Document Management Services
- Information Exchange Services
- File Transfer Services
- Data Transfer Services
- Information Viewing Services.

The solution will serve as a hub to integrate various modules that will be implemented under each of the projects listed below. In addition the ISS project will provision a Single Sign On (SSO) and Identity Management solution for the Agency. These modules are:

- Core Services Solution (CSS)
- Enterprise Data Warehouse Solution (EDWS)
- Financial Management Solution (FMS)
- Pharmacy Benefit Management Solution (PBMS).

Project Scope:

The ISS project a self-contained, SOA-based communication broker with the capability to provide all of the required services. A change management process and implementation for the program.

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: Messaging Services 2.0 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 – 2021 Major IT Project Descriptions

Project Formal Title: Multimodal Mobility Enhancement DI Project
Agency: Department of Transportation (VDOT)
Secretariat: Transportation
Investment Status: Investment Business Case 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 (MWCOG) 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:

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

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: Oracle E-Business AR Modules
Agency: Department of State Police (VSP)
Secretariat: Public Safety & Homeland Security
Investment Status: Project Initiation Approval

Project Description:

The eBilling project will implement the Accounts Receivable and iReceivables modules of the Oracle E-Business Suite (OEBS) financial systems. The Oracle Financial solution is already an existing solution at VSP with the OEBS Accounts Payable, General Ledger, Purchase Order and HR modules all in service for an extended period. The Accounts Receivable department at VSP has been overwhelmed with an extensive level of manual processes and workflows causing an over extension of resources, which is placing a significant impact on audit results for far too long. The audit issues are on the border of becoming significant control weaknesses due to the large dependencies on excel workbooks, over 40 separate workflows, with limited number of resources to effectively manage the volume of receivable transactions. Automating the department by implementing the Oracle AR module will allow significant control and industry standardization to be added to the agency.

Project Scope:

The eBilling project, sponsored by the Accounts Receivable department of VSP Property & Finance and approved by the agencies executive leadership, will implement and activate the Oracle Financials Accounts Receivable module, which is already owned and licensed within the agency. Electronic payment processing will be accomplished by implementing the Oracle iReceivables module to handle account holder access and payment processing. The actual payment processing tasks which collects account holder credit card information will be handled through a separate third-party supplier via one of the following methods:

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: OT Service and Asset Management Solution Project
Agency: Department of Transportation (VDOT)
Secretariat: Transportation
Investment Status: Investment Business Case 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 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). This includes all Intelligent Transportation Systems (ITS) devices and components (e.g., controllers, cameras, dynamic message signs, firewalls, routers) and all traffic signal system components (e.g., controllers, signals, switches, routers, firewalls, detection devices). As old devices are retired, new devices are added, or exciting devices have configuration change on the OT environment the OTSaAM will reflect these actions. The OTSaAM will be the master data source (i.e. golden record) for all OT device asset information. As such it will be the source for all SOC (Security Operations Center), NOC (Network Operations Center), and IAM (Identity and Access Management) activities further articulated in the forthcoming ConOps.

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 OT Cybersecurity Assessment.

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: Outsource Call Center Staffing and Telephony
Agency: Virginia Employment Commission (VEC)
Secretariat: Labor
Investment Status: Project Initiation Approval

Project Description:

The VEC will outsource call center staffing which services will be provided at the suppliers site. This will result in the supplier needing to provide telephony infrastructure in order for their team members to make and receive calls on behalf of the VEC. This may replace existing suppliers who are providing this function.

Project Scope:

The VEC will outsource call center staffing which services will be provided at the suppliers site. This will result in the supplier needing to provide telephony infrastructure in order for their team members to make and receive calls on behalf of the VEC.

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: Pharmaceutical Services
Agency: Department of Corrections (DOC)
Secretariat: Public Safety and Homeland Security
Investment Status: Investment Business Case Approval

Project Description:

VADOC seeks to implement an online pharmacy ordering system that would interface with the electronic health records (EHR) system.

Project Scope:

This project is estimated at $46,000,000; Only $700,000 is estimated for the IT portion of the project. The cost for services will be $9,000,000 annually; with five (5) year contract $45,000000.

VADOC seeks to have the contractor implement an online pharmacy ordering system that would interface with the electronic health records (EHR) system that the DOC is in the process of establishing a contract for and intending to implement at six DOC women's facilities in the very near future. The proposed ordering system also would interface with the Virginia Corrections Information Systems (VirginiaCORIS). VirginiaCORIS is the offender management system (OMS) that the VADOC uses to manage its offender population.

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: Primary Election System - Project
Agency: Department of Elections (ELECT)
Secretariat: Administration
Investment Status: Investment Business Case 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.

Appendix C – 2021 Major IT Project Descriptions

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
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,
6.   provide user-agencies with the option to integrate with hardware or software VPN,
7.   standardize user-agency interfaces to and from livescans to improve data quality,
8.   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 – 2021 Major IT Project Descriptions

Project Formal Title: RPP - Enterprise Licensing Solution
Agency: Department of Social Services (DSS)
Secretariat: Health & Human Resources
Investment Status: Project Initiation Approval

Project Description:

The Division of Licensing Programs Help and Information Network(DOLPHIN) is the current application that VDSS Licensing Programs uses to conduct inspections and track licensure case load and stats for Adults, 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. The new application will utilize the Salesforce - Low Code or No Code Application Platform (LCAP).

Project Scope:

The scope of this project includes establishing a new adult/child care application.

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: RUMS Replacement Project
Agency: Department of Transportation (VDOT)
Secretariat: Transportation
Investment Status: Investment Business Case 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.

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: SMART Portal 2022 Project
Agency: Department of Transportation (VDOT)
Secretariat: Transportation
Investment Status: Project Initiation Approval

Project Description:

This project will deliver new and enhanced functionality within the SMART Portal web application allowing for program pre-application submission, new application submission to multiple programs, enhancements to the validation/screening/ scoring processes, and improving the user interface to update decisions online.

Project Scope:

The scope of this project is to deliver a combination of new functionality and substantial improvements to existing functionality for components of SMART Portal.

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: SNAP Knowledge Base
Agency: Department of Social Services (DSS)
Secretariat: Health and Human Resources
Investment Status: Project Initiation Approval

Project Description:

VDSS will configure the Salesforce platform to include knowledge management for use by the LDSS and VDSS staff to search for answers to frequently asked questions and lookup procedures, policies, and quick reference guide materials; a Chabot that can refer workers to answers or reference materials to help with common support requests; a live agent chat that can address support requests that are not answered by the Chat-bot a learning platform using Salesforce my Trailhead to organize online learning content into modules (courses) and trails (curriculums) that can be assigned to workers with completion progress tracked; SCAR to help reduce error rates in case processing; and a SNAP Calculator to determine SNAP allotment.

Project Scope:

VDSS to configure the Salesforce platform to include knowledge management for use by the LDSS and VDSS staff to search for answers to frequently asked questions and lookup procedures, policies, and quick reference guide materials; a Chabot that can refer workers to answers or reference materials to help with common support requests; a live agent chat that can address support requests that are not answered by the Chat-bot a learning platform using Salesforce my Trailhead to organize online learning content into modules (courses) and trails (curriculums) that can be assigned to workers with completion progress tracked; SCAR to help reduce error rates in case processing; and a SNAP Calculator to determine SNAP allotment. This project will accomplish configuration of the Salesforce Platform for use by Local Department of Social Services (LDSS) and Virginia Department of Social Services (VDSS) with the following contents:
- Real-time access to a Knowledge Management system that includes: articles, frequently asked questions (FAQs) and learning videos, SNAP Manual, SNAP Quick Reference guide
- Chat-bot with live subject matter experts
- Online learning and training videos
- Data repository and reporting modules for Quality Control Finding, Management Evaluations, SNAP Corrective Action Report (SCAR) and Appeals

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: SOR System Replacement
Agency: Department of State Police (VSP)
Secretariat: Public Safety and 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 with a COTS or in-house developed java based system. This project includes the RFP process, development or customization, installation and deployment of the new software at VSP. Consulting resources could be obtained to supplement VSPs development staff along with the purchase of the necessary hardware and software to host the replacement application at VSP. The scope of the replacement system is limited to the current SOR system functionality.

Appendix C – 2021 Major IT Project Descriptions

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: •~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 stationsin 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

Appendix C – 2021 Major IT Project Descriptions

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)
• iPeMS
• Tableau
• Power BI
• SQL Developer
• SQL+
• MSExcel
• MSAccess

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: TRS New Unclaimed Property SaaS Solution Project
Agency: Department of the Treasury (TD)
Secretariat: Finance
Investment Status: Project Initiation Approval

Project Description:

This Project (RFP) is to replace the current Treasury Unclaimed Property system (TUPS) with a commercial off the shelf (COTS) abandoned property system or provide funding to make needed enhancements to the current system. Treasury's Division of Unclaimed Property (UCP) is responsible for the administration of the Unclaimed Property Act, a consumer protection law that protects the property rights of absentee owners. The Division received more than 11,000 holder reports and added more than 1.3 million new owners to the owner database in FY2019.

Project Scope:

This Project (RFP) is to replace the current Treasury Unclaimed Property system (TUPS) with a commercial off the shelf (COTS) abandoned property system. Treasury's Division of Unclaimed Property (UCP) is responsible for the administration of the Unclaimed Property Act, a consumer protection law that protects the property rights of absentee owners. The Division received more than 11,000 holder reports and added more than 1.3 million new owners to the owner database in FY2019. The Division received more than $254 million and 10.4 million security shares as unclaimed property remittances. It is the Division's primary mission to reunite property reported by holders after a period of inactivity with its rightful owner. The total dollar value of claims paid to owners in FY19 was $87.1 million for 28,000 claims covering more than 130,000 asset accounts. The Division also accounts for a securities portfolio of stocks, bonds, and mutual funds of $320 million. Currently, UCP uses TUPS as its unclaimed property database solution along with integrated document management software called PaperVision and its Workflow solution. There are several updates needed for the TUPS system to provide necessary business functionality. In addition, the Click and Claim searchable database needs a significant rewrite. These updates have not been completed because of the lack of manpower. Treasury is pursuing a next generation unclaimed property management cloud-based third party solution that is in use by other states unclaimed property business areas. The proposed supplier will need to be a leader in the industry providing Unclaimed Property resources, technologies and best practices to states.

Appendix C – 2021 Major IT Project Descriptions

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 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

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: VDEM - EOC and governor's situation room AV/VTC
Agency: Department of Emergency Management (VDEM)
Secretariat: Public Safety & Homeland Security
Investment Status: Investment Business Case 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.

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: Victims Services Technology Project (formerly Programs & Services Project)
Agency: Department of Criminal Justice Services (DCJS)
Secretariat: Public Safety & Homeland Security
Investment Status: Investment Business Case Approval

Project Description:

This project will improve the DCJS Victims Services Grant Programs administration by implementing a technology solution that automates the Victims Services Grant Program administration while ensuring data integrity, accessibility, compliance, security and continuous operation. The preferred solution is a single off-the-shelf system that meets the requirement for all Victims Services Grant Programs. Any selected vendor supplied COTS solution will be hosted on virtual servers at CESC.

Project Scope:

Automate the Victims Services Grant Program administration while ensuring data integrity, accessibility, compliance, security and continuous operation and includes Victim/Witness Grant Program (VOCA), Violence Against Women (V-STOP), Sexual Assault and Domestic Violence Grant Program (SADV), Virginia Sexual & Domestic Violence Victim Fund (VSDVVF), Sexual Assault Services Program (SASP), Court Appointed Special Advocate (CASA).

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: VSP Transformation Project
Agency: Department of State Police (VSP)
Secretariat: Public Safety and Homeland Security
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 CSRM 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 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

Appendix C – 2021 Major IT Project Descriptions

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

Appendix C – 2021 Major IT Project Descriptions

Project Formal Title: Web Content Management DXP Project
Agency: Department of Transportation (VDOT)
Secretariat: Transportation
Investment Status: Investment Business Case 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.

Appendix C – 2021 Major IT Project Descriptions

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 2020 RTIP Recommended Projects

2021 Status	Secretariat	Agency	Project Title	Total Project Cost
Completed				
	Finance	DOA	EO19_DOA_Cardinal_Rehost	$9,400,000.00
	Education	VSU	Implement Banner XE Project	$1,000,000.00
			Total for 2 Projects	**$10,400,000.00**
Active/Funded				
	Health & Human Resources	DSS	Child Support Payment Processing	$2,225,000.00
	Transportation	DMV	DMV Project 2019: Hauling Permit System Replacement	$1,192,895.00
	Health & Human Resources	DBHDS	Early Intervention Part C Data System (ITOTS)	$3,000,000.00
	Administration	DGS	Enterprise Electronic Procurement Solution 2019	$29,804,258.00
	Public Safety & Homeland Security	VSP	(AFIS)	$8,468,203.63
	Education	DOE	Instructional Improvement System Project 2020	$5,975,000.00
	Administration	VITA	Messaging Services 2.0 Project	$10,000,000.00
	Health & Human Resources	DSS	RPP Enterprise Licensing Solution	$10,051,772.00
	Transportation	VDOT	Traffic, Traveler and Road Information (TTRIP) Services Project	$4,428,000.00
	Commerce and Trade	VEC	Transition UI Claims Intake Project	$2,100,000.00
	Finance	TD	TRS New Unclaimed Property SaaS Solution Project	$2,715,000.00
	Administration	VITA	VSP Transformation Project	$4,500,000.00
			Total for 12 projects	**$84,460,123.63**
Suspended				
			Total for 0 projects	**$0**
Cancelled				
	Health & Human Resources	DSS	COMPASS (Case Management)	$9,806,099.00
	Transportation	VDOT	EO19_VDOT_Geographic Information System Integrator II_Repurchase Project	$2,000,000.00
	Health & Human Resources	DSS	Local Employee HR Tracking System (LETS) Replacement	$3,500,000.00
	Public Safety & Homeland Security	DOC	VADOC VCE ERP/MRP System Project	$1,420,000.00
			Total for 4 projects	**$16,726,009.00**
No Change				
	Public Safety & Homeland Security	VSP	Case Management Records Management and Dispatch Systems (CaRDS)	$40,000,000.00
	Health & Human Resources	DSS	CCWIS Program	$40,632,000.00
	Health & Human Resources	DSS	Child Support Refactoring Project	$3,250,000.00
	Public Safety & Homeland Security	VSP	CRIS Criminal and RapBack Information System	$12,567,940.00
	Health & Human Resources	VDH	Crossroads Project	$10,000,000.00
	Administration	VITA	Data Center Relocation Program (DCRP)	$9,371,373.00
	Transportation	VDOT	Digitize Bridge Inspection Reports Project	$2,164,000.00
	Finance	TAX	eGovernment Self Help Expansion My Virginia TAX	$2,506,492.00
	Public Safety & Homeland Security	DOC	Electronic Healthcare Records	$5,201,940.00
	Natural Resources	DEQ	EO19_DEQ_Aggregate_Rehost	$1,146,084.47

Health & Human Resources	DSS	EO19_DSS_Automated Program to Enforce Child Support (APECS)		$1,720,000.00
Health & Human Resources	DSS	EO19_DSS_Background Investigation System (BIS)		$1,720,000.00
Health & Human Resources	DSS	EO19_DSS_Central Registry System (CRS)		$1,720,000.00
Health & Human Resources	DSS	EO19_DSS_Data Warehouse (DW)		$1,720,000.00
Health & Human Resources	DSS	EO19_DSS_Document Management Imaging System		$1,720,000.00
Health & Human Resources	DSS	EO19_DSS_Online Automated Services Information System (OASIS)		$1,720,000.00
Finance	TAX	EO19_TAX_Aggregate_ReHost		$1,076,800.00
Health & Human Resources	VDH	EO19_VDH_Aggregate_ReHost		$3,321,300.00
Health & Human Resources	VDH	EO19_VDH_CHAAMPS_ReHost		$1,266,000.00
Administration	DHRM	Learning Management System (LMS) Update		$2,540,205.00
Health & Human Resources	DMAS	Medicaid Dental Program		$1,000,000.00
Health & Human Resources	DMAS	Medicaid Enterprise System (MES) Program		$6,236,518.00
Public Safety & Homeland Security	DOC	Pharmaceutical Services		$46,000,000.00
Administration	ELECT	Primary Election System Project		$30,000,000.00
Public Safety & Homeland Security	DCJS	Victims Services Technology Project (formerly Programs & Services Project)		$1,150,000.00
Health & Human Resources	VDH	WIC EBT Project		$6,000,000.00
		Total for 26 projects		**$235,750,652.47**

Legend	
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

Appendix E – 2021 IT Spend Trend Analysis FY2008-FY2021

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 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).

Exhibit 1 shows IT project dollars spent on new investments for fiscal years 2008 through 2021. These cost figures were taken from the data reported by agencies on the Commonwealth IT Projects Dashboard each month. FY2021 was higher than the recent, previous years (with the exception of 2011) because of expenditures related to the Department of Accounts (DOA) Cardinal Statewide Human Capital Management project, the Department of Medical Assistance Services (DMAS) Medicaid Enterprise System (MES) Fee for Service and Core Processing project, and the Infrastructure and Subscriber Upgrade project for the Virginia State Police (VSP) Statewide Agencies Radio System (STARS). These three projects had combined expenditures of $75,673,818 during FY2021.
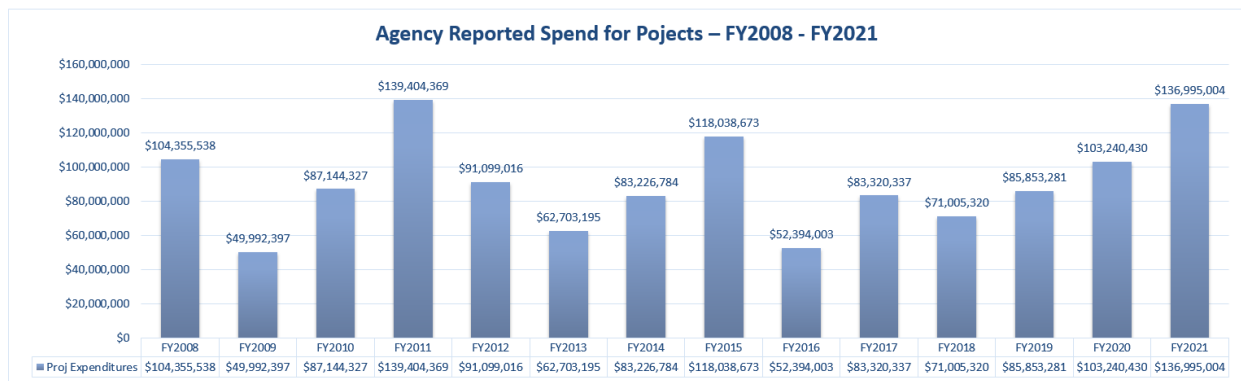

Exhibit 1: IT project dollars spent on projects in FY2008-2021 by Executive Branch agencies under oversight and governance.

Overall IT expenditures for Executive Branch agencies for FY2008 through FY2021 can be seen in Exhibit 2, which 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 fourteen fiscal years. These expenditures do not include the state's independent agencies and authorities, higher education entities, or Judicial Branch and Legislative Branch agencies. The data for each of these fiscal years are from year-end reports from the state accounting system of record—Commonwealth Accounting and Reporting System (CARS) through FY2016 and Cardinal beginning FY2017—and are provided by the Auditor of Public Accounts (APA). In the past, agencies have not reported against baselines for projects of less than one million dollars 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 spend numbers wholly dependent upon accurate coding of expenditures by agencies.
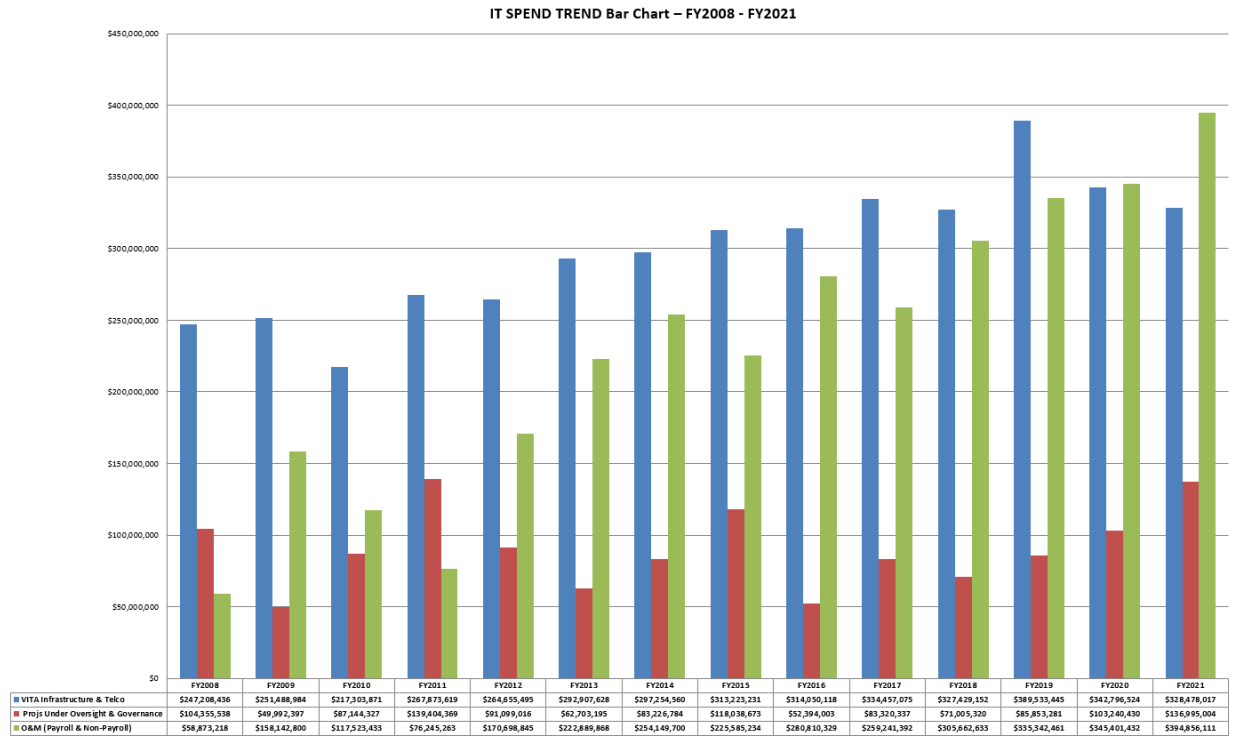
IT SPEND TREND Bar Chart – FY2008 - FY2021

	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021
VITA Infrastructure & Telco	$247,208,436	$251,488,984	$217,303,871	$267,873,619	$264,655,495	$292,907,628	$297,254,560	$313,223,231	$314,050,118	$334,457,075	$327,429,152	$389,533,445	$342,796,524	$328,478,017
Projs Under Oversight & Governance	$104,355,538	$49,992,397	$87,144,327	$139,404,369	$91,099,016	$62,703,195	$83,226,784	$118,038,673	$52,394,003	$83,320,337	$71,005,320	$85,853,281	$103,240,430	$136,995,004
O&M (Payroll & Non-Payroll)	$58,873,218	$158,142,800	$117,523,433	$76,245,263	$170,698,845	$222,889,868	$254,149,700	$225,585,234	$280,810,329	$259,241,392	$305,662,633	$335,342,461	$345,401,432	$394,856,111

Exhibit 2: IT spending trend for FY2008 through FY2021 for In-scope Executive Branch agencies

Appendix E – 2021 IT Spend Trend Analysis FY2008-FY2021

Exhibit 3 below shows expenditure breakouts by percentages for each category for FY2021 only.
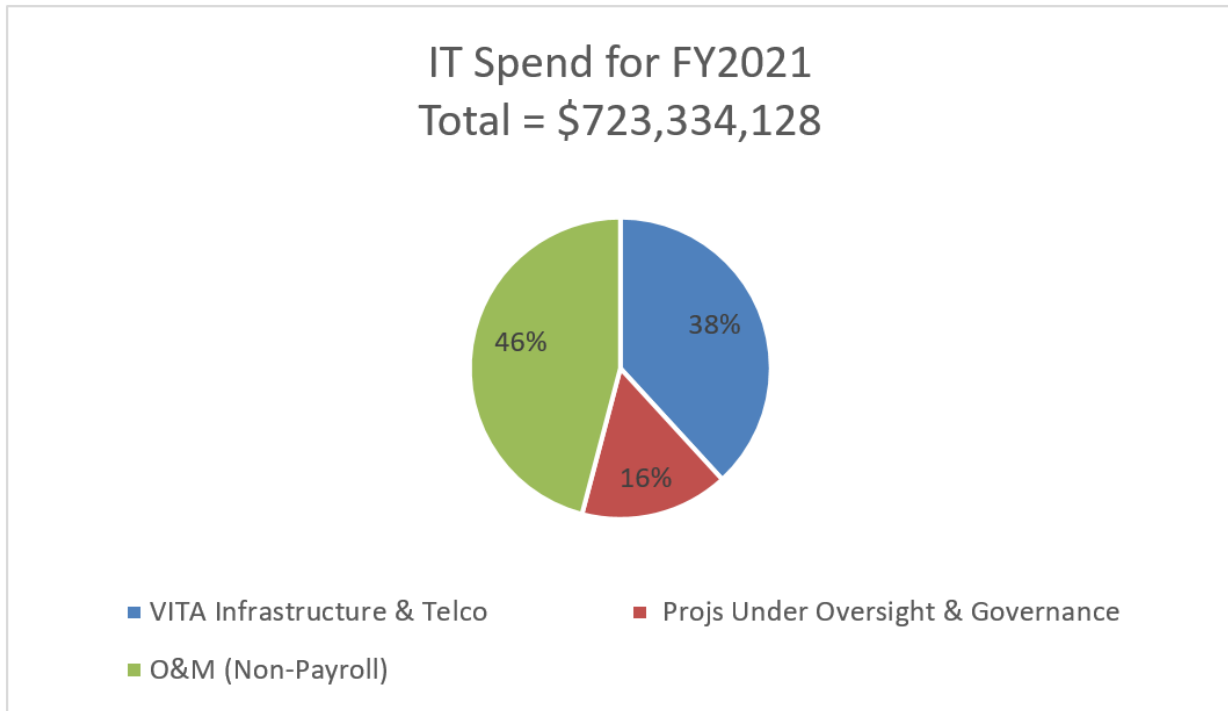

Exhibit 3: IT Spend for FY2021; total equals $723,334,128

Appendix E – 2021 IT Spend Trend Analysis FY2008-FY2021

The IT Spend Trend line graph below (Exhibit 4) shows that VITA Infrastructure & Telco costs generally increased gradually and increased more significantly in FY2021. This increase is estimated to be related to completing the transition from the previous single-source servicing integrator to the current multisourcing servicing integrator (MSI).
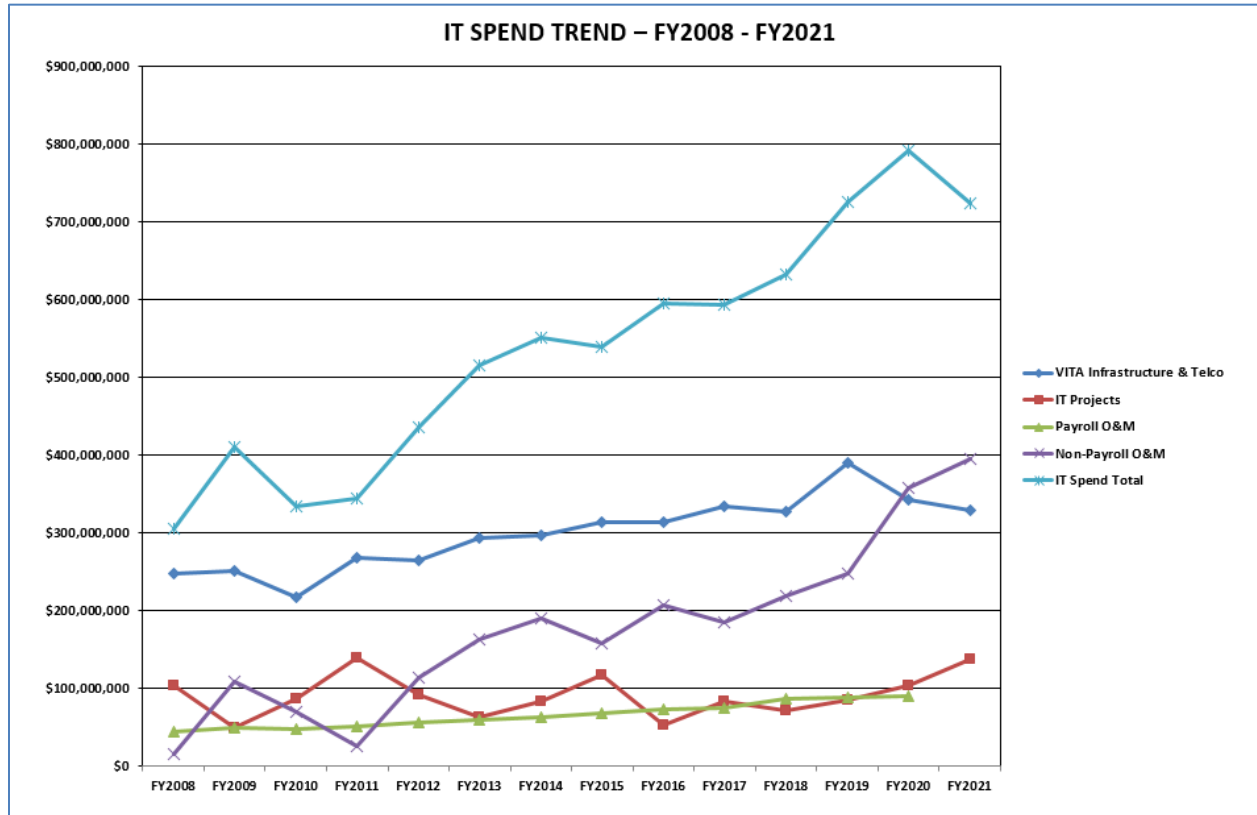

Exhibit 4: IT spending trends for FY2008 through FY2021 for In-scope Executive Branch agencies (Note: Beginning FY2021, Payroll O&M was not reported separately in Cardinal.)

Project	Secretariat	Agency	Estimated End	Cost	O&M FY 22	O&M FY 23	O&M FY 24	O&M FY 25	O&M FY 26	O&M FY 27
Automated Fingerprint Identification System (AFIS)	Public Safety & Homeland Security	VSP	6/30/2022	$1,878,801.80	$266,180.00	$1,863,701.00	$1,863,701.00	$1,100,625.00	$1,100,625.00	$1,100,625.00
BO Reports Migration to Power BI - Project	Finance	TAX	9/24/2021	$1,860,506.00	$37,500.00	$37,500.00	$37,500.00	$37,500.00	$37,500.00	$37,500.00
Cardinal HCM Interfaces Project	Health and Human Resources	DBHDS	5/1/2022	$2,158,526.00		$75,000.00	$75,000.00	$75,000.00	$75,000.00	$75,000.00
Cardinal Statewide HCM	Finance	DOA	4/30/2019	$131,920,000.00	$3,300,000.00	$7,000,000.00	$7,497,000.00	$7,846,750.00	$7,714,744.00	$7,714,744.00
Crisis Call Center Project	Health and Human Resources	DBHDS	4/30/2021	$16,185,505.00	$2,046,202.00	$2,046,202.00	$2,046,202.00	$2,046,202.00	$2,046,202.00	$2,046,202.00
CTP Modernization Project	Administration	VITA	9/30/2021	$1,661,425.00	$389,300.00	$389,300.00	$389,300.00	$389,300.00	$389,300.00	$389,300.00
Data Center Move	Administration	VITA	6/1/2022	$10,400,233.00	$15,000.00	$15,000.00	$15,000.00	$15,000.00	$15,000.00	$15,000.00
Data Stage Upgrade Project	Transportation	VDOT	5/18/2022	$3,560,204.00		$225,000.00	$225,000.00	$225,000.00	$225,000.00	$225,000.00
DOCTime - DOCXL and TAL Replacement Project	Public Safety & Homeland Security	DOC	11/30/2021	$1,441,771.93	$25,000.00	$25,000.00	$25,000.00	$25,000.00	$25,000.00	$25,000.00
DOJ - Licensing System	Health and Human Resources	DBHDS	11/2/2021	$3,013,116.00	$481,971.00	$481,971.00	$481,971.00	$481,971.00	$481,971.00	$481,971.00
DPOR Systems Replacement - Project	Labor	DPOR	6/30/2023	$7,785,000.00	$241,000.00	$241,000.00	$241,000.00	$241,000.00	$241,000.00	$241,000.00
Early Intervention Part C Data System (ITOTS)	Health and Human Resources	DBHDS	6/30/2022	$1,650,000.00	$350,000.00	$350,000.00	$350,000.00	$350,000.00	$350,000.00	$350,000.00
Enterprise Electronic Procurement Solution 2019	Administration	DGS	7/31/2023	$20,252,598.00		$16,000,000.00	$16,000,000.00	$16,000,000.00	$16,000,000.00	$16,000,000.00
Financial Management System Upgrade	Labor	VEC	6/30/2022	$2,400,000.00	$265,000.00	$265,000.00	$265,000.00	$265,000.00	$265,000.00	$265,000.00
Firearms VCheck 2.0	Public Safety & Homeland Security	VSP	7/22/2022	$6,116,327.00	$134,175.00	$147,392.00	$161,931.00	$177,924.00	$194,916.00	$214,868.00
Human Capital Management Cloud Implementation	Transportation	VDOT	5/6/2021	$5,725,738.00	$624,620.00	$624,620.00	$624,620.00	$624,620.00	$624,620.00	$624,620.00
Instructional Improvement System Project - 2020	Education	DOE	3/31/2023	$3,801,400.00		$210,000.00	$210,000.00	$210,000.00	$210,000.00	$210,000.00
Integrated HIV Care and Prevention Data System	Health and Human Resources	VDH	6/30/2022	$1,408,535.54	$108,269.00	$108,269.00	$108,269.00	$108,269.00	$108,269.00	$108,269.00
MES Data Warehouse	Health and Human Resources	DMAS	6/30/2022	$30,122,862.00	$67,406.00	$67,406.00	$67,406.00	$67,406.00	$67,406.00	$67,406.00
MES Fee for Service and Core Processing	Health and Human Resources	DMAS	10/31/2022	$103,353,037.00	$30,426,159.00	$30,426,159.00	$30,426,159.00	$30,426,159.00	$30,426,159.00	$30,426,159.00
MES Integration	Health and Human Resources	DMAS	10/31/2022	$35,163,944.00	$6,172,061.00	$6,172,061.00	$6,172,061.00	$6,172,061.00	$6,172,061.00	$6,172,061.00
Messaging Services 2.0 Project	Administration	VITA	11/30/2022	$10,162,221.00	$17,646,511.00	$18,023,573.00	$17,495,269.00	$17,585,296.00	$17,642,714.00	$17,943,085.00
Oracle E-Business AR Modules	Public Safety & Homeland Security	VSP	2/28/2022	$4,334,303.00	$81,932.00	$81,932.00	$81,932.00	$81,932.00	$81,932.00	$81,932.00
Outsource Call Center Staffing and Telephony	Labor	VEC	4/30/2021	$5,170,000.00	$2,500,000.00	$2,500,000.00	$2,500,000.00	$2,500,000.00	$2,500,000.00	$2,500,000.00
PROJECT: MAINFRAME 2022 - COIN System	Administration	CB	6/30/2022	$1,487,838.00	$549,463.00	$739,499.00	$739,499.00	$739,499.00	$739,499.00	$739,499.00
RPP - Enterprise Licensing Solution	Health and Human Resources	DSS	1/12/2022	$7,388,282.18		$1,100,000.00	$1,100,000.00	$1,100,000.00	$1,100,000.00	$1,100,000.00
SMART Portal 2022 Project	Transportation	VDOT	7/31/2023	$3,732,652.02	$20,000.00	$20,000.00	$20,000.00	$20,000.00	$20,000.00	$20,000.00
SNAP Knowledge Base	Health and Human Resources	DSS	12/1/2021	$1,895,875.00	$551,291.00	$551,291.00	$551,291.00	$551,291.00	$551,291.00	$551,291.00
SOR System Replacement	Public Safety & Homeland Security	VSP	11/30/2021	$1,728,171.66	$15,000.00	$15,000.00	$15,000.00	$15,000.00	$15,000.00	$15,000.00
STARS Infrastructure and Subscriber Upgrade	Public Safety & Homeland Security	VSP	12/31/2021	$132,475,530.00	$9,707,235.00	$9,998,452.00	$10,298,406.00	$10,607,358.00	$10,925,579.00	$11,253,346.00
TRS - New Unclaimed Property SaaS Solution Project	Finance	TD	7/19/2021	$2,125,194.00	$505,579.00	$505,579.00	$505,747.00	$505,919.00	$506,097.00	$506,279.00
Unemployment Insurance Modernization	Labor	VEC	7/6/2021	$81,533,031.00	$1,625,000.00	$1,625,000.00	$1,625,000.00	$1,625,000.00	$1,625,000.00	$1,625,000.00
VDEM - EOC and governor's situation room AV/VTC	Public Safety & Homeland Security	VDEM	5/31/2022	$1,605,000.00	$25,000.00	$25,000.00	$25,000.00	$25,000.00	$25,000.00	$25,000.00
VSP Transformation Project [1]	Administration	VITA	5/30/2025	$44,361,225.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

Notes:

1. VSP Transformation relocates VSP equipment to the QTS data center and does not create any new applications, consequently no additional O&M costs are expected.