

Executive Branch Information Technology
Office of Information Technology Services
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Topeka, KS 66611



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DeAngela Burns-Wallace, Chief Information Technology Officer

Laura Kelly, Governor

November 3, 2021

Richard Beattie, Director
Procurement and Contracts

Dear Mr. Beattie:

The detailed project plan for the Department of Transportation Enhanced Priority Formula System (EPFS) Upgrade project is enclosed. Jeff Neal is the primary contact for the project and can be reached at (785) 291-3946.

This letter constitutes approval of the detailed project plan pursuant to K.S.A. 75-7209.

The next step for the agency will be to baseline this approved project Work Breakdown Structure (WBS) without alteration prior to execution. The baseline is a valuable tool to use as the project progresses. The baseline is used to track project progress and compare this progress to the approved plan. Project measures for reporting purposes will be determined using the originally submitted detailed project plan.

This project has a total project cost of \$537,201. The quarterly KITO fee for the project will be \$2,027 and will be billed from the start of execution until receipt of the project's Post Implementation Evaluation Report (PIER).

Respectfully,

DocuSigned by:

AAB118DFC3A14C6...

Julie L. Lorenz, Secretary of Transportation and Director of Kansas Turnpike Authority
Department of Transportation

DocuSigned by:

1DAB26281F9B47E...

DeAngela Burns-Wallace
Executive Branch CITO

cc: Kelly O'Brien, CITO, Judicial Branch
Alan Weis, CITO, Legislative Branch
Adam Proffitt, Director of the Budget
Aaron Klaassen, JCIT
JCIT Membership
Linda Norris, Procurement and Contracts
Stephanie Creed, Procurement and Contracts
Dean Heineken, Procurement and Contracts
Brian Reiter, OITS
Jeff Neal, KDOT
Bonnie Liscek, KDOT
Megan Burton, KSHS
Cole Robison, OITS

Susan Hammons, OITS COO and Interim
CITA
Sara Spinks, KITO



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700 S.W. Harrison Street
Topeka, KS 66603-3745

Julie L. Lorenz, Secretary
Jefferson F Neal, Chief Information Officer

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<http://www.ksdot.org>
Laura Kelly, Governor

October 8, 2021

Dr. DeAngela Burns-Wallace, Secretary of Administration
& Chief Information Technology Officer
Executive Branch Information Technology
Office of Information Technology Services
2800 SW Topeka Boulevard
Building 100
Topeka, KS 66611

Dear Dr. Burns-Wallace:

The Kansas Department of Transportation (KDOT) respectfully submits the Detailed Project Plan documents for the Enhanced Priority Formula System (EPFS) Upgrade project. EPFS is an essential tool for the Program and Project Management Division and KDOT Executive Staff for analyzing priorities that are based on a variety of factors such as traffic volume, roadway and bridge characteristics and condition, geographic distribution, and other factors deemed appropriate. The EPFS system was developed 20+ years ago and is using the Oracle Application Server (OAS) technology. OAS is legacy technology and very expensive for licensing. EPFS will be moved to a new environment that utilizes Microsoft SQL Server technology is in line with other current State architectural standards.

The Detailed Project Plan documents enclosed are provided in accordance with the Information Technology Executive Council (ITEC) Policies 2400 and 2510, and they follow the guidelines established by the Kansas Information Technology Office. The documents include:

- This Cover Letter
- State Entity Checklist for Detailed IT Project Plan
- DA518 Information Technology Request Explanation
- DA519 Information Technology Cost-Benefit Statement
- Work Breakdown Structure (WBS)
- Architecture Statement
- Ownership of Software Code and Related Intellectual Property
- Security Statement
- Privacy Statement
- Web Accessibility Statement and approval letter from the State Director of IT Accessibility

- Electronic Record Retention Statement and approval letter from the State Archivist • Risk Identification Summary
- Risk Assessment Analysis (RAM)

Upon receipt of a formal written approval letter from CITO, this project will move forward with project executing activities.

Thank you for reviewing the Detailed Project Plan documentation that support this important project.

Sincerely,

A handwritten signature in black ink, appearing to read "Julie Lorenz". The signature is fluid and cursive, with the first name "Julie" written in a larger, more prominent script than the last name "Lorenz".

Julie L. Lorenz
Secretary of Transportation
Director of Kansas Turnpike Authority

State Entity: Kansas Department of Transportation (KDOT)	Included (Y/N) If no, Explain
Project Name: Enhanced Priority Formula System (EPFS) Upgrade	
Greater than \$250,000/ less than \$1,000,000 (Y/N): Y	
Greater than \$1,000,000 (Y/N): N	
IT Project Plan Documents	
For forms and/or more detailed information on completion of plan, see https://ebit.ks.gov/kito/it-project-oversight/proposed-it-project-plans	
For ITEC Policy and/or more detailed information on approval of IT projects, see ITEC 2400 and 2400A. https://ebit.ks.gov/itec/resources/policies	
Cover Letter Requesting Project Approval	Y
IT Project Request Explanation--DA518	Y
IT Cost Benefit Statement--DA519	Y
Work Breakdown Structure @ 8/80 hr duration/elapsed calendar time level	
Task Name (tasks should be descriptive)	Y
Duration (total duration/elapsed calendar time)	Y
Work (total person/hours of effort for all resources for the task)	Y
Start	Y
Finish	Y
Dependencies (Predecessors)	Y
Resource Names (assigned to the task)	Y
Milestone	Y
Work Product Identification (Form ITEC PM02-6)	Y
Architectural Statement (ITEC Policy 4010 and 9500) https://ebit.ks.gov/itec/resources/policies	
Listing of products and standards that will be implemented to accomplish the project including a statement of compliance with ITEC Policy.	Y
If different, attach CITA waiver	NA
Ownership of Software Code and Related Intellectual Property (ITEC Policy 1500) https://ebit.ks.gov/docs/default-source/itec/itec_policy_1500.pdf	
Statement of compliance	Y
If different, attach CITO waiver	NA
Privacy Statement (Privacy Act 1974, Health Insurance Portability & Accountability Act 1996-HIPAA) https://www.justice.gov/opcl/overview-privacy-act-1974-2015-edition https://www.hhs.gov/hipaa/index.html	
1. What information is included	Y
2. Why is it collected	Y
3. How will it be used	Y
4. Exclusion opportunities	Y
5. 1974 Act implementation	Y
6. Other privacy requirements	Y
7. Total privacy cost estimate	Y
Security Statement (ITEC Policies 7230, 9500, 7300) https://ebit.ks.gov/itec/resources/policies	
Statement of compliance regarding security measures, technologies used, compliance with policy & standards	Y
If different, explain	NA
Accessibility Statement (ITEC Policy 1210) https://ebit.ks.gov/itec/resources/policies/policy-1210	
Confirm the project will comply with ITEC Policy 1210 requirements by attaching a completed Accessibility Conformance Report (ACR) produced using the Voluntary Product Accessibility Template® (VPAT®), version 2.0 or later, for the product(s) procured, provided as a service, or custom-built. If requirements are to be developed as part of project, indicate that VPAT requirements will be included. See VPAT at: https://www.itic.org/policy/accessibility/vpat.	Y
If VPAT/ACR indicates compliance on all items, provide statement identifying task number(s) in WBS where verification of overall compliance will occur. For any VPAT/ACR item(s) where full compliance is not indicated, identify task number(s) in WBS where remediation of compliance issues will occur, and the task number(s) that will include verification of overall compliance. If product is not anticipated to be compliant upon initial implementation, please attach State ADA Coordinator exception. If accessibility standards do not apply, please provide explanation.	Y
Attach approval letter from State Director of IT Accessibility.	Y
Electronic Record Retention Statement https://www.kshs.org/p/electronic-records/11334	
(K.S.A. 45-403 and K.S.A. 45-213 through 45-223)	
1. Identify replaced paper records	Y
2. Identify new business functions	Y
3. Reasons for business functions	Y
4. Records requirements for business function	Y
5. Documents in another system?	Y
6. Public access requirements	Y
7. Access control requirements	Y
8. Identify all records with retention period of ten or more years	Y
9. Estimate three year cost of addressing records identified in No. 8	Y
Attach approval letter from State Archivist.	Y
Risk Identification Summary (Form ITEC PM02-11a)	Y
Risk Assessment Model (RAM) Summary - Detailed Plans	Y
Fiscal Note, if appropriate	NA
Electronic copy submitted two - four weeks prior to contract award and/or project execution	Y

INFORMATION TECHNOLOGY PROJECT REQUEST EXPLANATION – DA 518																									
1. Project Title:				2. Project Priority		3. Estimated Dates																			
Enhanced Priority Formula System (EPFS) Upgrade				1		Planning Start:			9/17/2019																
Agency:							Execution Start:			1/4/2022															
Kansas Department of Transportation							Close-Out End:			12/18/2025															
4. Project Description and Justification:				Date Submitted:		10/28/2021																			
Project Description: The EPFS provides data analysis and reporting that facilitates Transportation Program project priorities. EPFS is a valuable tool for the KDOT's Program and Project Management Division and KDOT Executive Staff for analyzing priorities that are based on a variety of factors such as traffic volume, roadway and bridge characteristics and condition, geographic distribution, and other factors deemed appropriate. The EPFS provides the flexibility to evaluate various categories such as interstate, non-interstate, and priority bridge. It is an essential tool not only for KDOT but also benefits state and local government officials in their considerations and input in the process of selecting and prioritizing projects.																									
Project Scope: The EPFS system was developed 20+ years ago and is using the Oracle Application Server (OAS) technology. OAS is legacy technology and expensive for licensing. EPFS will be moved to a new environment that utilizes Microsoft SQL Server technology and is in line with other current State architectural standards. The resulting functionality of the EPFS will primarily remain the same with some updates of the data that EPFS uses for analysis to be current with recent changes.																									
Is this an Infrastructure Project? (Y/N)																									
N																									
Will Business Process Modeling be completed during the IT project and business design? (Y/N)																									
Y																									
Will national and/or industry data standards be used? (Y/N)																									
Y																									
If yes, please specify. The EPFS application contains data elements that meet the Federal Highway Administration data standards. EPFS is populated with National Bridge Inventory and Highway Performance Monitoring System data that are specific to Kansas.																									
List any collaboration that has taken place in the planning of the IT Project, and/or will take place during execution of the project. Include tools, methods, and best practices used for providing collaboration, user input, and continued social networking.																									
During the planning stage of this project, the project team collaborated with KDOT Information Technology, Planning, and Bridge program staff to discuss staging table data requirements for the EPFS upgrade. A planning document was created to address the detailed design and development necessary to meet the EPFS staging table data requirements.																									
The EPFS upgrade will rely upon new system interfaces and new processes to provide the data needed for processes and calculations supporting KDOT's project selection criteria.																									
5. Estimated Project Cost																									
Category		Cost		KITO Rate Structure					Project Quarterly KITO Fee																
Internal Cost (Salaries)		\$67,000		Project Value Range					Quarterly Rate																
Contractual Services		\$439,796																							
Commodities		\$0																							
Capital Outlay		\$0																							
Sub-Total Project Costs		\$506,796																							
Total KITO Rate Fee		\$30,405		\$250,000					\$1,000,000																
Total Project Costs		\$537,201		\$1,000,000					0.004																
				\$5,000,001					\$5,000,000																
				\$10,000,001					0.003																
				\$10,000,001					Greater																
				Infrastructure Projects					0.0004																
									0.0003																
6. Project Subprojects (include name, start and end dates, and cost of each Subproject):																									
Subproject Name		Start Date		End Date		Internal Cost		External Cost		Total Cost															
Planning		9/17/2019		11/5/2021		\$30,000		\$205,380		\$235,380															
Execution																									
KDOT EPFS Project		1/4/2022		11/6/2025		\$36,000		\$234,416		\$270,416															
Total KITO Rate Fee		1/4/2022		11/6/2025				\$30,405		\$30,405															
Enter Subproject 3 Name										\$0															
Enter Subproject 4 Name										\$0															
Enter Subproject 5 Name										\$0															
Enter Subproject 6 Name										\$0															
Enter Subproject 7 Name										\$0															
Enter Subproject 8 Name										\$0															
Execution Sub-Total		1/4/2022		11/6/2025		\$36,000		\$264,821		\$300,821															
Close-Out				11/7/2025		12/18/2025		\$1,000		\$0															
								\$67,000		\$470,201															
Grand Internal, External, and Total Costs										\$537,201															
7. Amount by Source of Financing:																									
State Fiscal Years		1. SGF		2. State Highway Fun		3.		4.		5.		6.		7.		8.		9.		10.		11.		Total	
Previous SFY(s)																								\$0	
SFY 2021				\$117,690																				\$117,690	
SFY 2022				\$117,690																				\$117,690	
SFY 2023				\$100,274																				\$100,274	
SFY 2024				\$100,274																				\$100,274	
SFY 2025				\$100,273																				\$100,273	
SFY 2026				\$1,000																				\$1,000	
SFY 2027																								\$0	
SFY 2028																								\$0	
SFY 2029																								\$0	
SFY 2030																								\$0	
SFY 2031																								\$0	
SFY 2032																								\$0	
Total Project Costs		\$0		\$537,201		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$537,201	
Description of funds listed above																									

INFORMATION TECHNOLOGY PROJECT REQUEST EXPLANATION -- DA 519				
1. Project Title		2. Estimated Dates		Projected Months from
Enhanced Priority Formula System (EPFS) Upgrade		Planning Start:	9/17/2019	Execution to Close-Out
		Execution Start:	1/4/2022	
		Close-Out End:	12/18/2025	
		48		
3. Agency		4. Project Director/Project Manager		
Kansas Department of Transportation		Bonnie Lisecek, IT Project Manager		
5. Qualitative and Quantitative Savings Explanation				
The following quantitative savings will be incurred if KDOT proceeds with upgrading EPFS:				
CANSYS Architecture: The current EPFS is embedded within the same environment as CANSYS and cannot function independently without substantial cost in dollars and staff time. If KDOT does not have to keep EPFS running in the CANSYS environment, there would be an annual maintenance and support cost savings of \$100,000 per year.				
Oracle Application Server: Because of per core licensing costs, the Oracle Application Server (web logic server for forms and reports portal) is ran on old equipment with one core (physical machines). This equipment would be very difficult to find a replacement for in the event of failure. Eight cores or more are now the standard. Thus, KDOT has the risk of facing an eight-fold increase in the expense for license and maintenance costs in the event of failure of the current system. When EPFS upgrade is complete and the current EPFS is sunsetted, the legacy OAS technology will no longer need to be licensed.				
Human Resources: There would no longer be a need for staff to do dual entry of data in K-Hub and EPFS as it exists in CANSYS. In addition, application development staff who are familiar with the legacy OAS technology will be able to shift to new strategic business issues at KDOT.				

6. Qualitative and Quantitative Savings Estimate														
Description of Savings		Previous SFY(s)	SFY 2021	SFY 2022	SFY 2023	SFY 2024	SFY 2025	SFY 2026	SFY 2027	SFY 2028	SFY 2029	SFY 2030	SFY 2031	SFY 2032
Cost Avoidance (Soft Dollars)														
Labor Savings: Administrative resources no longer doing dual entry										\$12,475	\$12,475	\$12,475		
Subtotal		\$37,425	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,475	\$12,475	\$12,475	\$0	\$0
Cash Savings (Hard Dollars)														
Capital Expenses Reduction: CANSYS (EXOR) Architecture										\$124,000	\$124,000	\$124,000		
Capital Expenses Reduction: Oracle Application Server										\$71,243	\$71,243	\$71,243		
Maintenance & Support Labor Avoidance										\$24,206	\$24,206	\$24,206		
Subtotal		\$658,347	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$219,449	\$219,449	\$219,449	\$0	\$0
Other (Include Intangible Benefits)														
Subtotal		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Quantitative Savings		\$695,772	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$231,924	\$231,924	\$231,924	\$0	\$0
7. Summary*		Previous SFY(s)	SFY 2021	SFY 2022	SFY 2023	SFY 2024	SFY 2025	SFY 2026	SFY 2027	SFY 2028	SFY 2029	SFY 2030	SFY 2031	SFY 2032
Project Costs		\$537,201	\$0	\$117,690	\$117,690	\$100,274	\$100,274	\$100,273	\$1,000	\$0	\$0	\$0	\$0	\$0
Net Cost Benefit	Total	\$158,571	\$0	-\$117,690	-\$117,690	-\$100,274	-\$100,274	-\$100,273	-\$1,000	\$231,924	\$231,924	\$231,924	\$0	\$0
Cost Benefit per Month		\$14,495												
Calendar Months to Break Even		37												
8. Ongoing Cost		Previous SFY(s)	SFY 2021	SFY 2022	SFY 2023	SFY 2024	SFY 2025	SFY 2026	SFY 2027	SFY 2028	SFY 2029	SFY 2030	SFY 2031	SFY 2032
Operational Cost for three ensuing SFYs									\$50,000	\$50,000	\$50,000			

* Project Costs = Total Cost of Project over all Fiscal Years from all Funding Sources
Net Cost Benefit = Total Qualitative & Quantitative Savings minus Total Project Costs
Cost Benefit per Month = Total Qualitative & Quantitative Savings divided by Length of Project in months
Calendar Months to Break Even = Total Project Costs divided by Cost Benefit per Month

Project Management Plan: Work Product Identification

Project: Enhanced Priority Formula System (EPFS) Upgrade

Date: October 28, 2021

<i>Milestone ID</i>	<i>Deliverable Name</i>	<i>Due Date</i>	<i>Date Delivered</i>	<i>Point of Contact</i>
A1	Execution Begins	1/4/2022		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
A5	Development of Web Service Mockup Complete	2/14/2022		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
A2	Development of Initial Triggers Complete	3/1/2022		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
A3	Development of Initial Database Complete	3/1/2022		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
A4	Obtainment of EPFS Data for Development Complete	3/11/2022		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
A6	Modification of Initial Database and Web Service Complete	3/21/2022		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
A7	Development of Initial Database and Web Service Mockup Complete	3/21/2022		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
B1	Development Additional Database Components for Importing and Browsing Snapshots Complete	4/1/2022		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
B2	Development of Common Functionality Complete	4/28/2022		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
B3	Development of Snapshot and Jobs Forms Complete	6/1/2022		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
B4	Development of Help Topics, Contents, Index, and Full-Text Search for Importing and Browsing Snapshots Complete	6/7/2022		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
B5	Development of Functionality for Importing and Browsing Snapshots Complete	6/7/2022		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
B6	Initial Testing of Functionality for Importing and Browsing Snapshots Complete	7/1/2022		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
B7	Modifications of Functionality for Importing and Browsing Snapshots Complete	7/12/2022		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)

Project Management Plan: Work Product Identification

Project: Enhanced Priority Formula System (EPFS) Upgrade

Date: October 28, 2021

<i>Milestone ID</i>	<i>Deliverable Name</i>	<i>Due Date</i>	<i>Date Delivered</i>	<i>Point of Contact</i>
B8	Functionality for Importing and Browsing Snapshots Complete	7/12/2022		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
C2	Development of Common Functionality for Reports Complete	7/28/2022		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
C1	Development of Additional Database Components for Snapshot Reports and Designating Final Snapshots Complete	8/2/2022		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
C3	Development of Invalid Bridge Reports and Forms Complete	8/23/2022		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
C4	Development of Invalid Interstate Reports and Forms Complete	9/19/2022		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
C5	Development of Invalid Non-Interstate Reports and Forms Complete	10/18/2022		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
C6	Development of Pavement Remaining Life Report and Associated Form Complete	10/28/2022		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
C7	Development of Programmed Project Lists and Forms Complete	11/23/2022		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
C8	Development of Designate Final Snapshot and Final Snapshots Forms Complete	11/29/2022		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
C9	Development of Help Topics, Contents, Index, and Full-Text Search for Snapshot Reports and Functionality for Designating Final Snapshots Complete	12/9/2022		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
C10	Initial Testing of Snapshot Reports and Functionality Complete	1/3/2023		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
C11	Snapshot Reports and Functionality for Designating Final Snapshots Complete	1/18/2023		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
D1	Development of Additional Database Components for Interstate Need Assessments Complete	2/15/2023		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
D2	Development of Apply Interstate Priority Formula and Interstate Need Assessments Forms Complete	2/23/2023		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)

Project Management Plan: Work Product Identification

Project: Enhanced Priority Formula System (EPFS) Upgrade

Date: October 28, 2021

<i>Milestone ID</i>	<i>Deliverable Name</i>	<i>Due Date</i>	<i>Date Delivered</i>	<i>Point of Contact</i>
D3	Development of Interstate Priority Formula Results Report and Associated Form Complete	3/8/2023		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
D4	Development of Interstate Top Percentile Distribution Report and Associated Form Complete	3/15/2023		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
D5	Development of Interstate Dynamic Segment Details Report and Associated Form Complete	4/3/2023		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
D6	Development of Interstate Priority Change Report and Associated Form Complete	4/10/2023		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
D7	Development of Interstate Trend Plot Report and Associated Form Complete	4/26/2023		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
D8	Development of Interstate Straight-Line Diagram Report and Associated Form Complete	5/12/2023		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
D9	Development of Designate Final Interstate Need Assessment and Final Interstate Need Assessments Forms Complete	5/18/2023		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
D10	Development of Help Topics, Contents, Index, and Full-Text Search for Interstate Need Assessments Complete	5/29/2023		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
D11	Initial Testing of Functionality for Interstate Need Assessments Complete	6/14/2023		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
D12	Functionality for Interstate Need Assessments Complete	6/21/2023		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
E1	Development of Additional Database Components for Non-Interstate Need Assessments Complete	7/19/2023		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
E2	Development of Apply Non-Interstate Priority Formula and Non-Interstate Need Assessments Forms Complete	7/28/2023		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
E3	Development of Non-Interstate Priority Formula Results Report and Associated Form Complete	8/17/2023		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
E4	Development of Non-Interstate Top Percentile Distribution Report and Associated Form Complete	8/28/2023		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)

Project Management Plan: Work Product Identification

Project: Enhanced Priority Formula System (EPFS) Upgrade

Date: October 28, 2021

<i>Milestone ID</i>	<i>Deliverable Name</i>	<i>Due Date</i>	<i>Date Delivered</i>	<i>Point of Contact</i>
E5	Development of Non-Interstate Dynamic Segment Details Report and Associated Form Complete	9/21/2023		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
E6	Development of Non-Interstate Priority Change Report and Associated Form Complete	10/2/2023		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
E7	Development of Non-Interstate Trend Plot Report and Associated Form Complete	10/12/2023		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
E8	Development of Non-Interstate Straight-Line Diagram Report and Associated Form Complete	11/9/2023		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
E9	Development of Designate Final Non-Interstate Need Assessment and Final Non-Interstate Need Assessments Forms Complete	11/17/2023		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
E10	Development of Help Topics, Contents, Index, and Full-Text Search for Non-Interstate Need Assessments Complete	11/29/2023		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
E11	Initial Testing of Functionality for Non-Interstate Need Assessments Complete	11/29/2023		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
E12	Functionality for Non-Interstate Need Assessments Complete	1/3/2024		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
F1	Development of Additional Database Components for Applying Bridge Priority Formula Complete	1/25/2024		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
F2	Development of Apply Bridge Priority Formula and Bridge Need Assessments Forms Complete	1/31/2024		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
F3	Development of Bridge Priority Formula Results Report and Associated Form Complete	2/12/2024		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
F4	Development of Bridge Top Percentile Distribution Report and Associated Form Complete	2/20/2024		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
F5	Development of Bridge Details Report and Associated Form Complete	3/13/2024		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
F6	Development of Bridge Priority Change Report and Associated Form Complete	3/21/2024		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)

Project Management Plan: Work Product Identification

Project: Enhanced Priority Formula System (EPFS) Upgrade

Date: October 28, 2021

<i>Milestone ID</i>	<i>Deliverable Name</i>	<i>Due Date</i>	<i>Date Delivered</i>	<i>Point of Contact</i>
F7	Development of Bridge Trend Plot Report and Associated Form Complete	4/1/2024		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
F8	Development of Designate Final Bridge Need Assessment and Final Bridge Need Assessments Forms Complete	4/8/2024		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
F9	Development of Help Topics, Contents, Index, and Full-Text Search for Bridge Need Assessments Complete	4/15/2024		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
F10	Initial Testing of Functionality for Bridge Need Assessments Complete	4/29/2024		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
F11	Functionality for Bridge Need Assessments Complete	5/7/2024		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
F12	Development of EPFS at AECOM Complete	5/7/2024		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
G1	Draft of Software Acceptance Test Plan (ATP) (Including AMP) Completed	6/5/2024		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
H5	Development and Deployment of Web Service for Programmed Projects Complete	6/5/2024		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
G2	ATP Documentation Complete	7/11/2024		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
H1	Set-up of Development SQL Server Instance for EPFS Complete	7/19/2024		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
H6	Set-up Development Web Server Complete	7/19/2024		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
H7	Installation of EPFS Components on Development Web Server Complete	7/31/2024		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
H2	Installation of EPFS Database Components in Development SQL Server Instance Complete	8/2/2024		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
H3	Oracle Export of EPFS Data for Deployment Complete	8/9/2024		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
H4	Migration of EPFS Data for Deployment to Development SQL Server Instance Complete	8/21/2024		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)

Project Management Plan: Work Product Identification

Project: Enhanced Priority Formula System (EPFS) Upgrade

Date: October 28, 2021

<i>Milestone ID</i>	<i>Deliverable Name</i>	<i>Due Date</i>	<i>Date Delivered</i>	<i>Point of Contact</i>
H8	Configuration of Development Environment Complete	10/3/2024		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
H9	Installation in Development Environment Complete	10/17/2024		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
H10	Acceptance Test Plan Dry Run - Test Set 1 Complete	11/15/2024		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
H11	ATP Dry Run - Test Set 2 Complete	12/17/2024		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
H12	ATP Dry Runs Complete	12/17/2024		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
H13	ATP Acceptance Testing Complete	1/16/2025		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
H14	Deployment of EPFS to KDOT's Development Environment Complete	1/24/2025		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
I1	Preparation of Installation Package Complete	2/5/2025		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
I2	Update of Installation Instructions Complete	2/17/2025		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
I3	Update of System Administrator Guide Complete	3/6/2025		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
I4	Update of User Guide Complete	3/21/2025		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
I5	Update of Technical Documentation Complete	4/8/2025		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
I6	Review of Data Retention with State Historical Society Complete	4/14/2025		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
I7	Installation Materials and Updated Documentation Complete	4/29/2025		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
J1	Set-up of Test SQL Server Instance for EPFS Complete	6/11/2025		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)

Project Management Plan: Work Product Identification

Project: Enhanced Priority Formula System (EPFS) Upgrade

Date: October 28, 2021

<i>Milestone ID</i>	<i>Deliverable Name</i>	<i>Due Date</i>	<i>Date Delivered</i>	<i>Point of Contact</i>
J3	Set-up Test Web Server Complete	6/11/2025		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
J2	Installation of EPFS Database Components in Test SQL Server Instance Complete	6/20/2025		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
J4	Installation of EPFS Components on Test Web Server Complete	7/1/2025		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
J5	Testing of EPFS Installation in Test Environment Complete	7/9/2025		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
J6	Deployment of EPFS to KDOT's Test Environment Complete	8/12/2025		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
K1	Set-up of Production SQL Server Instance for EPFS Complete	9/22/2025		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
K3	Set-up of Production Web Server Complete	9/22/2025		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
M1	Quarterly Reporting Complete	10/1/2025		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
K2	Installation of Database Components in Production SQL Server Instance Complete	10/6/2025		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
K4	Installation of EPFS Server Components on Production Web Server Complete	10/6/2025		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
K5	Testing of Installation in Production Environment Complete	10/13/2025		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
K6	KDOT Revises Configuration of Production Environment	11/4/2025		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
K7	Deployment of EPFS to KDOT's Production Environment Complete	11/4/2025		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)
L1	Sunsetting Complete	11/6/2025		Chi-Wah Wong (AECOM), Bonnie Liscek (KDOT)

ID	Task Name	Duration	Work	Start	Finish	Predecessors	Resource Names	Milestone
0	EPFS Upgrade Project Plan	1589.55	792.19h	Tue 9/17/19	Thu 12/18/25			No
1	Initiating	120d	84h	Tue 9/17/19	Mon 3/2/20			No
2	Kick-off Meetings	8d	2h	Tue 9/17/19	Thu 9/26/19		Bonnie Liscek,Curtis H	No
3	Develop Key Decision Document	57d	40h	Fri 9/27/19	Mon 12/16/19		Bonnie Liscek	No
4	Develop Project Charter	55d	40h	Tue 12/17/19	Mon 3/2/20		Bonnie Liscek	No
5	Identify Stakeholders	1d	2h	Thu 2/20/20	Thu 2/20/20		Bonnie Liscek	No
6	Initiating complete	1d	0h	Fri 2/21/20	Fri 2/21/20	5		No
7	Project Management	689.38d	400.5h	Mon 1/25/21	Mon 10/16/23			No
8	Project Meetings	689.38d	400.5h	Mon 1/25/21	Mon 10/16/23			No
77	Planning	433d	2,639.93h	Thu 3/5/20	Fri 11/5/21			No
78	EPFS Technical Discovery Phase	38d	32h	Mon 3/9/20	Wed 4/29/20		Scott Schiller,Tina Cra	No
79	Planning Meetings	43d	4h	Thu 3/5/20	Mon 5/4/20			No
80	First Meeting with AECOM	1d	1h	Thu 3/5/20	Thu 3/5/20		Bonnie Liscek,Brian B	No
81	K-Hub EPFS Interface Design & EPFS Upgrade SOW Meeting (AECOM & Iteris)	1d	2h	Wed 4/29/20	Wed 4/29/20	80	Bonnie Liscek,Brian Briggs,Brian	No
82	EPFS SOW Follow-up Meeting with AECOM	1d	1h	Mon 5/4/20	Mon 5/4/20	81	Brian Camire,Bonnie	No
83	Planning Meetings complete	0d	0h	Mon 5/4/20	Mon 5/4/20	82		Yes
84	Statement of Work with AECOM	42d	24h	Fri 3/6/20	Mon 5/4/20			No
85	Write Statement of Work	21d	16h	Fri 3/6/20	Fri 4/3/20	83	Brian Camire,Chi-Wa	No
86	Draft Statement of Work received by KDOT	0d	0h	Fri 4/3/20	Fri 4/3/20	85	Chi-Wah Wong	Yes
87	Make edits to SOW	4d	8h	Wed 4/29/20	Mon 5/4/20		Brian Camire,Chi-Wa	No
88	Final Statement of Work received by KDOT	0d	0h	Mon 5/4/20	Mon 5/4/20		Chi-Wah Wong	Yes
89	Business Cases for Upgrading EPFS	38d	29h	Mon 4/6/20	Wed 5/27/20			No
90	Draft Business Case for EPFS Upgrade	14d	16h	Mon 4/6/20	Fri 4/24/20			No
91	Write Business Case for work with AECOM	14d	16h	Mon 4/6/20	Thu 4/23/20		Bonnie Liscek	No
92	Business Case Drafts Due	0d	0h	Fri 4/24/20	Fri 4/24/20		Bonnie Liscek	Yes
93	Business Case Meetings	2d	3h	Tue 4/28/20	Wed 4/29/20			No
94	EPFS Business Case Justification Meeting	1d	2h	Tue 4/28/20	Tue 4/28/20		Allan Haverkamp,Bor	No
95	EPFS Upgrade Business Case Meeting	1d	1h	Wed 4/29/20	Wed 4/29/20		Bonnie Liscek,Brian B	No
96	Revise EPFS Business Case	8d	4h	Tue 4/28/20	Thu 5/7/20			No
97	Business Case Finals Due	0d	0h	Fri 5/1/20	Fri 5/1/20		Bonnie Liscek	Yes
98	Edit EPFS Business Case based on feedback	8d	4h	Tue 4/28/20	Thu 5/7/20		Allan Haverkamp,Bor	No
99	Final EPFS Business Case Complete	0d	0h	Thu 5/7/20	Thu 5/7/20		Allan Haverkamp,Bor	Yes
100	Create presentation for ITAC & EXIT meetings	4d	2h	Mon 5/11/20	Thu 5/14/20		Bonnie Liscek,Allan H	No
101	ITAC & EXIT Meetings	10d	4h	Thu 5/14/20	Wed 5/27/20			No
102	ITAC Meeting	1d	2h	Thu 5/14/20	Thu 5/14/20		Allan Haverkamp,Bor	No
103	ITAC Approval of Business Case	0d	0h	Thu 5/14/20	Thu 5/14/20		ITAC	Yes

ID	Task Name	Duration	Work	Start	Finish	Predecessors	Resource Names	Milestone
104	EXIT Meeting	1d	2h	Wed 5/27/20	Wed 5/27/20		Allan Haverkamp, Ger	No
105	EXIT Approval of Business Case	0d	0h	Wed 5/27/20	Wed 5/27/20		EXIT	Yes
106	Sole Source with AECOM	89d	143.2h	Tue 5/5/20	Fri 9/4/20			No
107	Gather background documentation	2d	4h	Tue 5/5/20	Wed 5/6/20		Chi-Wah Wong	No
108	Complete draft Prior Authorization form	3d	6h	Thu 6/4/20	Mon 6/8/20		Bonnie Liscek	No
109	Assemble Sole Source Paperwork	15d	16h	Thu 6/4/20	Wed 6/24/20		Chi-Wah Wong, Bonn	No
110	Draft contract using AECOM template	11d	40h	Wed 6/10/20	Wed 6/24/20		Chi-Wah Wong, Diana	No
111	Submit sole source paperwork, SOW, & contract	1d	1h	Fri 6/26/20	Fri 6/26/20	110	Bonnie Liscek	No
112	Submit sole source paperwork, SOW, & contract	1d	1h	Mon 6/29/20	Mon 6/29/20	111	Diana Johnston, Rick	No
113	Review by Legal Department	11d	8h	Mon 6/29/20	Mon 7/13/20	112	Legal	No
114	Revisions by AECOM	2d	4h	Mon 7/13/20	Tue 7/14/20	113		No
115	Second review by Legal	4d	2h	Wed 7/15/20	Mon 7/20/20	114	Legal	No
116	Signature from AECOM on contract	2d	1h	Mon 7/20/20	Tue 7/21/20	115	Chi-Wah Wong	No
117	KITO Approval for Planning & Execution Phases	9d	49h	Fri 7/31/20	Wed 8/12/20	116	Rick Baker, Diana Joh	No
118	Submit sole source paperwork, SOW, contract to	0d	0h	Mon 8/31/20	Mon 8/31/20	136	Rick Baker, Diana Joh	Yes
119	Review of SOW by DoA	4d	3.2h	Mon 8/31/20	Fri 9/4/20	118	Department of Admini	No
120	Sole Source approval complete	1d	8h	Fri 9/4/20	Fri 9/4/20	119	Department of Admini	No
121	High-Level Project Plan Development	63d	1,090.13h	Fri 8/28/20	Tue 11/24/20			No
122	Draft Statements	59d	236h	Fri 8/28/20	Wed 11/18/20		Bonnie Liscek[50%]	No
123	Draft DA518	41d	65.6h	Fri 8/28/20	Fri 10/23/20		Bonnie Liscek[20%]	No
124	Draft DA519	41d	109.33h	Fri 8/28/20	Fri 10/23/20		Bonnie Liscek[33%]	No
125	Draft WBS	58d	185.6h	Fri 8/28/20	Tue 11/17/20		Bonnie Liscek[40%]	No
126	Draft Web Accessibility Statement	18d	60h	Mon 10/26/20	Wed 11/18/20			No
127	Evaluate Accessibility using VPAT	15d	60h	Mon 10/26/20	Fri 11/13/20		Bonnie Liscek[50%]	No
128	Develop Statement	1d	0h	Wed 11/18/20	Wed 11/18/20	127		No
129	Team Review of Documents	18d	432h	Mon 10/26/20	Wed 11/18/20		Allan Haverkamp, Ger	No
130	Collect Signatures	4d	1.6h	Thu 11/19/20	Tue 11/24/20	129	Bonnie Liscek[5%]	No
131	High-Level Plan Submittal	0d	0h	Tue 11/24/20	Tue 11/24/20	130		Yes
132	CITO Approval Process	4d	35.6h	Tue 11/24/20	Mon 11/30/20			No
133	CITO High-Level Plan Review	4d	32h	Tue 11/24/20	Mon 11/30/20	131		No
134	Revise High-Level Plan (If Required)	1d	3.2h	Mon 11/30/20	Mon 11/30/20	133		No
135	Resubmit to CITO	1d	0.4h	Mon 11/30/20	Mon 11/30/20	134		No
136	High-Level Plan Approval	0d	0h	Mon 11/30/20	Mon 11/30/20	135		Yes
137	Work Orders	101d	51h	Mon 8/31/20	Tue 1/19/21			No
138	Obtain purchase order number	5d	4h	Mon 8/31/20	Fri 9/4/20	117	Diana Johnston	No
139	Create Master Work Order	1d	2h	Mon 12/7/20	Mon 12/7/20	120	Bonnie Liscek	No
140	Route Master Work Order for Signatures	11d	3.67h	Mon 12/7/20	Tue 12/22/20	139	Jeff Neal, Rick Baker	No
141	Create 3 Child Work Orders	5d	40h	Thu 1/7/21	Wed 1/13/21	140	Bonnie Liscek	No

ID	Task Name	Duration	Work	Start	Finish	Predecessors	Resource Names	Milestone
142	Route Child Work Orders for signatures	4d	1.33h	Wed 1/13/21	Tue 1/19/21		Jeff Neal,Rick Baker	No
143	Finalize Work Orders	0d	0h	Tue 1/19/21	Tue 1/19/21	142	Bonnie Liscek	Yes
144	Detailed Project Plan	21d	64h	Tue 9/7/21	Tue 10/5/21			No
145	Revise High-Level Statements	8d	16h	Tue 9/7/21	Thu 9/16/21	143	Bonnie Liscek[25%]	No
146	Develop New Documents	7d	16h	Fri 9/17/21	Mon 9/27/21	145	Bonnie Liscek[29%]	No
147	Team Review of Documents	2d	24h	Tue 9/28/21	Wed 9/29/21	146	Allan Haverkamp[50%]	No
148	Collect Signatures	4d	8h	Thu 9/30/21	Tue 10/5/21	147	Bonnie Liscek[25%]	No
149	CITO Approval Process	23d	36h	Wed 10/6/21	Fri 11/5/21			No
150	CITO Detailed Plan Review	10d	16h	Wed 10/6/21	Tue 10/19/21	148	Bonnie Liscek[20%]	No
151	Revise Detailed Plan (If Necessary)	8d	16h	Wed 10/20/21	Fri 10/29/21	150	Bonnie Liscek[25%]	No
152	Resubmit to CITO	5d	4h	Mon 11/1/21	Fri 11/5/21	151	Bonnie Liscek[10%]	No
153	CITO Approval	0d	0h	Fri 11/5/21	Fri 11/5/21	152		Yes
154	Design Phase	201d	1,131h	Tue 1/26/21	Fri 11/5/21			No
155	Export of EPFS database and EPFS staging tables	1d	16h	Mon 3/29/21	Mon 3/29/21	9	Brian Briggs,Steve Mc	No
156	Project Management	7.5d	60h	Tue 1/26/21	Thu 2/4/21	9	Chi-Wah Wong	No
157	Prepare Work Orders	1d	16h	Tue 1/26/21	Tue 1/26/21	9	Brian Camire,Chi-Wa	No
158	Finalize Requirements	5d	61h	Tue 1/26/21	Mon 2/1/21			No
159	Validate assumptions	1d	1h	Tue 1/26/21	Tue 1/26/21	9		No
160	Finalize Requirements for DB	5d	40h	Tue 1/26/21	Mon 2/1/21	9	Brian Camire	No
161	Finalize Requirements for UI	2.5d	20h	Tue 1/26/21	Thu 1/28/21	9	Carl Leth	No
162	EPFS Upgrade Requirements complete	0d	0h	Thu 1/28/21	Thu 1/28/21	161		Yes
163	Design Common Application Framework	10d	100h	Thu 1/28/21	Thu 2/11/21			No
164	Design Common Application Framework for DE	2.5d	20h	Tue 2/2/21	Thu 2/4/21	160	Brian Camire	No
165	Design Common Application Framework for UI	10d	80h	Thu 1/28/21	Thu 2/11/21	161	Carl Leth	No
166	Redesign Existing Database	97.74d	670h	Thu 2/4/21	Wed 6/23/21			No
167	Redesign Existing DB Functionality	35.25d	282h	Thu 2/4/21	Fri 4/30/21	164	Brian Camire	No
168	Redesign Existing Forms, Reports, and Help Fur	48.5d	388h	Thu 3/25/21	Wed 6/23/21	167	Brian Camire	No
169	Prepare Technical Memorandum	172.5d	80h	Thu 2/11/21	Fri 10/15/21			No
170	Prepare Technical Memorandum for DB	5d	40h	Thu 6/3/21	Fri 6/25/21	168	Brian Camire	No
171	Prepare Technical Memorandum for UI	5d	40h	Thu 2/11/21	Mon 2/22/21	165	Carl Leth	No
172	Technical Memorandums about design/redesign	0d	0h	Fri 10/15/21	Fri 10/15/21	170		Yes
173	Work Orders for Execution Phase	16d	128h	Fri 10/15/21	Fri 11/5/21			No
174	Project Management	10d	80h	Fri 10/15/21	Thu 11/4/21	172	Chi-Wah Wong	No
175	Prepare Work Orders	2.75d	24h	Fri 10/15/21	Fri 11/5/21	172	Brian Camire,Chi-Wa	No
176	Work Orders	6d	24h	Fri 10/29/21	Fri 11/5/21			No
177	Create 3 Child Work Orders	1d	8h	Fri 10/29/21	Fri 10/29/21	172	Bonnie Liscek	No
178	Route Child Work Orders for signatures	5d	16h	Mon 11/1/21	Fri 11/5/21	177	Jeff Neal[20%],Rick B	No
179	Finalize Child Work Orders	0d	0h	Fri 11/5/21	Fri 11/5/21	178	Bonnie Liscek	Yes

ID	Task Name	Duration	Work	Start	Finish	Predecessors	Resource Names	Milestone
180	Execution Phase	972d	2,531.75h	Tue 1/4/22	Thu 11/6/25	153FS+2d		No
181	Execution Begins	0d	0h	Tue 1/4/22	Tue 1/4/22			Yes
182	AECOM Develops EPFS at AECOM	591.06d	1,427.75h	Tue 1/4/22	Tue 5/7/24			No
183	Develop Initial Database and Web Service Mock	54d	239.75h	Tue 1/4/22	Mon 3/21/22			No
184	Develop Initial Database	40d	104h	Tue 1/4/22	Tue 3/1/22			No
185	Create Database, Schemas, Roles, and Table	4d	8h	Tue 1/4/22	Fri 1/7/22	181	Brian Camire[25%]	No
186	Create Primary Key, Unique, Foreign Key, an	4d	8h	Mon 1/10/22	Thu 1/13/22	185	Brian Camire[25%]	No
187	Create Indexes and Types	4d	8h	Fri 1/14/22	Wed 1/19/22	186	Brian Camire[25%]	No
188	Develop Initial Triggers	29d	80h	Thu 1/20/22	Tue 3/1/22	187		No
192	Development of Initial Database Complete	0d	0h	Tue 3/1/22	Tue 3/1/22	191		Yes
193	Obtain EPFS Data for Development	48d	24h	Tue 1/4/22	Fri 3/11/22			No
194	KDOT Provides Oracle Export of EPFS Data f	8d	8h	Tue 1/4/22	Thu 1/13/22	181	Steve McGlasson[13%]	No
195	Migrate EPFS Data for Development	8d	16h	Wed 3/2/22	Fri 3/11/22	190,194	Brian Camire[25%]	No
196	Obtainment of EPFS Data for Development (	0d	0h	Fri 3/11/22	Fri 3/11/22	195		Yes
197	Develop Web Service Mockup	29d	89.75h	Tue 1/4/22	Mon 2/14/22			No
198	AECOM and KDOT Define Interface of Web S	21d	57.75h	Tue 1/4/22	Wed 2/2/22	181	Carl Leth[10%],Brian	No
199	KDOT Provides Sample Data for Programme	4d	16h	Tue 1/4/22	Fri 1/7/22	181	Curtis Huffman[50%]	No
200	AECOM Codes Web Service Mockup for Prog	8d	16h	Thu 2/3/22	Mon 2/14/22	198,199	Carl Leth[25%]	No
201	Development of Web Service Mockup Comp	0d	0h	Mon 2/14/22	Mon 2/14/22	200		Yes
202	Modify Initial Database and Web Service Moc	6d	22h	Mon 3/14/22	Mon 3/21/22			No
203	KDOT Reviews AECOM Demonstration of Ini	1d	10h	Mon 3/14/22	Mon 3/14/22	195,200	Brian Camire[27%],Ca	No
204	AECOM Revises Initial Database and Web Se	5d	12h	Tue 3/15/22	Mon 3/21/22	203	Brian Camire[20%],Ca	No
205	Modification of Initial Database and Web Se	0d	0h	Mon 3/21/22	Mon 3/21/22	204		Yes
206	Development of Initial Database and Web Serv	0d	0h	Mon 3/21/22	Mon 3/21/22	204		Yes
207	Develop Functionality for Importing and Browsi	78.06d	212h	Tue 3/22/22	Tue 7/12/22			No
208	Code Functionality for Importing and Browsin	54.06d	158h	Tue 3/22/22	Tue 6/7/22	206		No
209	Code Additional Database Components for I	9d	24h	Tue 3/22/22	Fri 4/1/22	206	Brian Camire[33%]	No
210	Development Additional Database Componen	0d	0h	Fri 4/1/22	Fri 4/1/22	209		Yes
211	Code Common Functionality	30.06d	92h	Tue 3/22/22	Tue 5/3/22			No
215	Code Snapshot and Jobs Forms	20d	32h	Tue 5/3/22	Wed 6/1/22			No
219	Code Help Topics, Contents, Index, and Full-	4d	10h	Wed 6/1/22	Tue 6/7/22	217	Carl Leth[25%],Brian	No
220	Development of Help Topics, Contents, Inde	0d	0h	Tue 6/7/22	Tue 6/7/22	219		Yes
221	Development of Functionality for Importing	0d	0h	Tue 6/7/22	Tue 6/7/22	220		Yes
222	Modify Functionality for Importing and Brows	24d	54h	Tue 6/7/22	Tue 7/12/22			No
223	Begin to Test Functionality for Importing an	18d	36h	Tue 6/7/22	Fri 7/1/22			No
227	KDOT Reviews AECOM Demonstration of Fu	3d	10h	Fri 7/1/22	Wed 7/6/22	225	Carl Leth[3%],Brian C	No
228	AECOM Revises Functionality for Importing	4d	8h	Wed 7/6/22	Tue 7/12/22	227	Carl Leth[13%],Brian	No
229	Modifications of Functionality for Importing	0d	0h	Tue 7/12/22	Tue 7/12/22	228		Yes

ID	Task Name	Duration	Work	Start	Finish	Predecessors	Resource Names	Milestone
230	Functionality for Importing and Browsing Snap	0d	0h	Tue 7/12/22	Tue 7/12/22	228		Yes
231	Develop Snapshot Reports and Functionality for	129.94d	408h	Tue 7/12/22	Wed 1/18/23			No
232	Code Additional Database Components for Sna	14d	40h	Tue 7/12/22	Tue 8/2/22	230	Brian Camire[36%]	No
233	Development of Additional Database Compon	0d	0h	Tue 8/2/22	Tue 8/2/22	232		Yes
234	Code Common Functionality for Reports	12d	36h	Tue 7/12/22	Thu 7/28/22	230	Carl Leth[25%], Brian	No
235	Development of Common Functionality for Rep	0d	0h	Thu 7/28/22	Thu 7/28/22	234		Yes
236	Code Invalid Bridge Reports and Forms	15.94d	54h	Tue 8/2/22	Tue 8/23/22	235		No
237	Code Invalid Bridge Summary Report and As	7.94d	28h	Tue 8/2/22	Thu 8/11/22	232	Carl Leth[25%], Brian	No
238	Code Invalid Bridges Report and Associated	8d	26h	Fri 8/12/22	Tue 8/23/22	237	Carl Leth[25%], Brian	No
239	Development of Invalid Bridge Reports and	10d	0h	Tue 8/23/22	Tue 8/23/22	238		Yes
240	Code Invalid Interstate Reports and Forms	18d	58h	Wed 8/24/22	Mon 9/19/22			No
241	Code Invalid Interstate Summary Report and	8d	26h	Wed 8/24/22	Fri 9/2/22	238	Carl Leth[25%], Brian	No
242	Code Invalid Interstate Dynamic Segments R	10d	32h	Tue 9/6/22	Mon 9/19/22	241	Brian Camire[40%]	No
243	Development of Invalid Interstate Reports a	0d	0h	Mon 9/19/22	Mon 9/19/22	242		Yes
244	Code Invalid Non-Interstate Reports and Form	21d	64h	Tue 9/20/22	Tue 10/18/22			No
245	Code Invalid Non-Interstate Summary Repor	10d	32h	Tue 9/20/22	Mon 10/3/22	242	Brian Camire[40%]	No
246	Code Invalid Non-Interstate Dynamic Segme	10d	32h	Tue 10/4/22	Tue 10/18/22	245	Brian Camire[40%]	No
247	Development of Invalid Non-Interstate Rep	0d	0h	Tue 10/18/22	Tue 10/18/22	246		Yes
248	Code Pavement Remaining Life Report and Ass	8d	20h	Wed 10/19/22	Fri 10/28/22	246	Carl Leth[25%], Brian	No
249	Development of Pavement Remaining Life Rep	0d	0h	Fri 10/28/22	Fri 10/28/22	248		Yes
250	Code Programmed Project Lists and Forms	17d	50h	Mon 10/31/22	Wed 11/23/22	249		No
251	Code Road Programmed Project List and Ass	10d	26h	Mon 10/31/22	Fri 11/11/22		Carl Leth[25%], Brian	No
252	Code Bridge Programmed Project List and A	8d	24h	Mon 11/14/22	Wed 11/23/22	251	Brian Camire[38%]	No
253	Development of Programmed Project Lists a	0d	0h	Wed 11/23/22	Wed 11/23/22	252		Yes
254	Code Designate Final Snapshot and Final Sna	4d	8h	Thu 11/24/22	Tue 11/29/22	252	Brian Camire[25%]	No
255	Development of Designate Final Snapshot and	0d	0h	Tue 11/29/22	Tue 11/29/22	254		Yes
256	Code Help Topics, Contents, Index, and Full-Te	8d	18h	Wed 11/30/22	Fri 12/9/22	255	Carl Leth[25%], Brian	No
257	Development of Help Topics, Contents, Index, i	0d	0h	Fri 12/9/22	Fri 12/9/22	256		Yes
258	Begin to Test Snapshot Reports and Functiona	15d	34h	Mon 12/12/22	Tue 1/3/23	257		No
259	Test Snapshot Reports and Functionality for	8d	24h	Mon 12/12/22	Wed 12/21/22		Carl Leth[13%], Brian	No
260	Revise Snapshot Reports and Functionality f	6d	10h	Thu 12/22/22	Tue 1/3/23	259	Carl Leth[25%], Brian	No
261	Initial Testing of Snapshot Reports and Func	0d	0h	Tue 1/3/23	Tue 1/3/23	260		Yes
262	KDOT Reviews AECOM Demonstration of Snap	1d	10h	Wed 1/4/23	Wed 1/4/23	260	Carl Leth[5%], Brian C	No
263	AECOM Revises Snapshot Reports and Functio	9d	16h	Thu 1/5/23	Wed 1/18/23	262	Carl Leth[11%], Brian	No
264	Snapshot Reports and Functionality for Design	0d	0h	Wed 1/18/23	Wed 1/18/23	263		Yes
265	Develop Functionality for Interstate Need Asses	109d	218h	Thu 1/19/23	Wed 6/21/23			No
266	Code Additional Database Components for Inte	20d	40h	Thu 1/19/23	Wed 2/15/23	264	Brian Camire[25%]	No
267	Development of Additional Database Compon	0d	0h	Wed 2/15/23	Wed 2/15/23	266		Yes

ID	Task Name	Duration	Work	Start	Finish	Predecessors	Resource Names	Milestone
268	Code Apply Interstate Priority Formula and Inter	5d	10h	Thu 2/16/23	Thu 2/23/23	267	Carl Leth[25%],Brian	No
269	Development of Apply Interstate Priority Form	0d	0h	Thu 2/23/23	Thu 2/23/23	268		Yes
270	Code Interstate Priority Formula Results Repor	9d	16h	Fri 2/24/23	Wed 3/8/23	269	Brian Camire[22%]	No
271	Development of Interstate Priority Formula Re	0d	0h	Wed 3/8/23	Wed 3/8/23	270		Yes
272	Code Interstate Top Percentile Distribution Rep	5d	8h	Thu 3/9/23	Wed 3/15/23	271	Brian Camire[20%]	No
273	Development of Interstate Top Percentile Distr	0d	0h	Wed 3/15/23	Wed 3/15/23	272		Yes
274	Code Interstate Dynamic Segment Details Rep	13d	24h	Thu 3/16/23	Mon 4/3/23	273	Brian Camire[23%]	No
275	Development of Interstate Dynamic Segment	0d	0h	Mon 4/3/23	Mon 4/3/23	274		Yes
276	Code Interstate Priority Change Report and As	4d	8h	Tue 4/4/23	Mon 4/10/23	275	Brian Camire[25%]	No
277	Development of Interstate Priority Change Rep	0d	0h	Mon 4/10/23	Mon 4/10/23	276		Yes
278	Code Interstate Trend Plot Report and Associat	12d	24h	Tue 4/11/23	Wed 4/26/23	277	Brian Camire[25%]	No
279	Development of Interstate Trend Plot Report a	0d	0h	Wed 4/26/23	Wed 4/26/23	278		Yes
280	Code Interstate Straight-Line Diagram Report a	12d	24h	Thu 4/27/23	Fri 5/12/23	279	Brian Camire[25%]	No
281	Development of Interstate Straight-Line Diagra	0d	0h	Fri 5/12/23	Fri 5/12/23	280		Yes
282	Code Designate Final Interstate Need Assessm	4d	8h	Mon 5/15/23	Thu 5/18/23	281	Brian Camire[25%]	No
283	Development of Designate Final Interstate Nee	0d	0h	Thu 5/18/23	Thu 5/18/23	282		Yes
284	Code Help Topics, Contents, Index, and Full-Te	6d	12h	Fri 5/19/23	Mon 5/29/23	283	Brian Camire[25%]	No
285	Development of Help Topics, Contents, Index, i	0d	0h	Mon 5/29/23	Mon 5/29/23	284		Yes
286	Begin to Test Functionality for Interstate Neer	12d	26h	Tue 5/30/23	Wed 6/14/23	285		No
287	Test Functionality for Interstate Need Asses	8d	16h	Tue 5/30/23	Thu 6/8/23		Brian Camire[25%]	No
288	Revise Functionality for Interstate Need Ass	4d	10h	Fri 6/9/23	Wed 6/14/23	287	Carl Leth[25%],Brian	No
289	Initial Testing of Functionality for Interstate	0d	0h	Wed 6/14/23	Wed 6/14/23	288		Yes
290	KDOT Reviews AECOM Demonstration of Func	2d	10h	Thu 6/15/23	Fri 6/16/23	288	Brian Camire[2%],Bri	No
291	AECOM Revises Functionality for Interstate Ne	3d	8h	Mon 6/19/23	Wed 6/21/23	290	Carl Leth[25%],Brian	No
292	Functionality for Interstate Need Assessments	0d	0h	Wed 6/21/23	Wed 6/21/23	291		Yes
293	Develop Functionality for Non-Interstate Need Assessments	133d	192h	Thu 6/22/23	Wed 1/3/24			No
294	Code Additional Database Components for Non	19d	32h	Thu 6/22/23	Wed 7/19/23	292	Brian Camire[21%]	No
295	Development of Additional Database Compon	0d	0h	Wed 7/19/23	Wed 7/19/23	294		Yes
296	Code Apply Non-Interstate Priority Formula an	7d	8h	Thu 7/20/23	Fri 7/28/23	295	Brian Camire[14%]	No
297	Development of Apply Non-Interstate Priority	0d	0h	Fri 7/28/23	Fri 7/28/23	296		Yes
298	Code Non-Interstate Priority Formula Results R	13d	16h	Mon 7/31/23	Thu 8/17/23	297	Brian Camire[15%]	No
299	Development of Non-Interstate Priority Formu	0d	0h	Thu 8/17/23	Thu 8/17/23	298		Yes
300	Code Non-Interstate Top Percentile Distributio	7d	8h	Fri 8/18/23	Mon 8/28/23	299	Brian Camire[14%]	No
301	Development of Non-Interstate Top Percentile	0d	0h	Mon 8/28/23	Mon 8/28/23	300		Yes
302	Code Non-Interstate Dynamic Segment Details	17d	24h	Tue 8/29/23	Thu 9/21/23	301	Brian Camire[18%]	No
303	Development of Non-Interstate Dynamic Segm	0d	0h	Thu 9/21/23	Thu 9/21/23	302		Yes
304	Code Non-Interstate Priority Change Report an	7d	8h	Fri 9/22/23	Mon 10/2/23	303	Brian Camire[14%]	No

ID	Task Name	Duration	Work	Start	Finish	Predecessors	Resource Names	Milestone
305	Development of Non-Interstate Priority Change	0d	0h	Mon 10/2/23	Mon 10/2/23	304		Yes
306	Code Non-Interstate Trend Plot Report and Ass	7d	8h	Tue 10/3/23	Thu 10/12/23	305	Brian Camire[14%]	No
307	Development of Non-Interstate Trend Plot Rep	0d	0h	Thu 10/12/23	Thu 10/12/23	306		Yes
308	Code Non-Interstate Straight-Line Diagram Rep	20d	24h	Fri 10/13/23	Thu 11/9/23	307	Brian Camire[15%]	No
309	Development of Non-Interstate Straight-Line D	0d	0h	Thu 11/9/23	Thu 11/9/23	308		Yes
310	Code Designate Final Non-Interstate Need Ass	6d	8h	Fri 11/10/23	Fri 11/17/23	309	Brian Camire[17%]	No
311	Development of Designate Final Non-Interstat	0d	0h	Fri 11/17/23	Fri 11/17/23	310		Yes
312	Code Help Topics, Contents, Index, and Full-Te	8d	12h	Mon 11/20/23	Wed 11/29/23	311	Brian Camire[19%]	No
313	Development of Help Topics, Contents, Index, and Full-Text Search for Non-Interstate Need Assessments Complete	0d	0h	Wed 11/29/23	Wed 11/29/23	312		Yes
314	Begin Testing Functionality for Non-Interstate Need Assessments	16d	26h	Wed 11/29/23	Thu 12/21/23	313		No
315	Test Functionality for Non-Interstate Need Assessments	10d	16h	Thu 11/30/23	Wed 12/13/23		Brian Camire[20%]	No
316	Revise Functionality for Non-Interstate Need Assessments	6d	10h	Thu 12/14/23	Thu 12/21/23	315	Carl Leth[25%],Brian Camire[17%]	No
317	Initial Testing of Functionality for Non-Inters	0d	0h	Wed 11/29/23	Wed 11/29/23			Yes
318	KDOT Reviews AECOM Demonstration of Functionality for Non-Interstate Need Assessments	2d	10h	Fri 12/22/23	Wed 12/27/23	316	Brian Camire[2%],Brian Briggs[10%],Bonnie	No
319	AECOM Revises Functionality for Non-Interstate Need Assessments to Address	4d	8h	Thu 12/28/23	Wed 1/3/24	318	Carl Leth[25%],Brian Camire[19%]	No
320	Functionality for Non-Interstate Need Assessments Complete	0d	0h	Wed 1/3/24	Wed 1/3/24	319		Yes
321	Develop Functionality for Bridge Need Assessments	87.06d	158h	Thu 1/4/24	Tue 5/7/24			No
322	Code Additional Database Components for Applying Bridge Priority Formula	16d	32h	Thu 1/4/24	Thu 1/25/24	320	Brian Camire[25%]	No
323	Development of Additional Database Components for Applying Bridge Priority	0d	0h	Thu 1/25/24	Thu 1/25/24	322		Yes
324	Code Apply Bridge Priority Formula and Bridge Need Assessments Forms	4d	8h	Fri 1/26/24	Wed 1/31/24	323	Brian Camire[25%]	No
325	Development of Apply Bridge Priority Formula and Bridge Need Assessments Forms	0d	0h	Wed 1/31/24	Wed 1/31/24	324		Yes
326	Code Bridge Priority Formula Results Report and Associated Form	8d	16h	Thu 2/1/24	Mon 2/12/24	325	Brian Camire[25%]	No
327	Development of Bridge Priority Formula Results Report and Associated Form Complete	0d	0h	Mon 2/12/24	Mon 2/12/24	326		Yes

ID	Task Name	Duration	Work	Start	Finish	Predecessors	Resource Names	Milestone
328	Code Bridge Top Percentile Distribution Report and Associated Form	5d	8h	Tue 2/13/24	Tue 2/20/24	327	Brian Camire[20%]	No
329	Development of Bridge Top Percentile Distribution Report and Associated Form	0d	0h	Tue 2/20/24	Tue 2/20/24	328		Yes
330	Code Bridge Details Report and Associated For	16d	24h	Wed 2/21/24	Wed 3/13/24	329	Brian Camire[19%]	No
331	Development of Bridge Details Report and Associated Form Complete	0d	0h	Wed 3/13/24	Wed 3/13/24	330		Yes
332	Code Bridge Priority Change Report and Associated Form	6d	8h	Thu 3/14/24	Thu 3/21/24	331	Brian Camire[17%]	No
333	Development of Bridge Priority Change Report and Associated Form Complete	0d	0h	Thu 3/21/24	Thu 3/21/24	332		Yes
334	Code Bridge Trend Plot Report and Associated Form	6d	8h	Fri 3/22/24	Mon 4/1/24	333	Brian Camire[17%]	No
335	Development of Bridge Trend Plot Report and Associated Form Complete	0d	0h	Mon 4/1/24	Mon 4/1/24	334		Yes
336	Code Designate Final Bridge Need Assessment and Final Bridge Need Assessments Forms	5d	8h	Tue 4/2/24	Mon 4/8/24	335	Brian Camire[20%]	No
337	Development of Designate Final Bridge Need Assessment and Final Bridge Need Assessments Forms Complete	0d	0h	Mon 4/8/24	Mon 4/8/24	336		Yes
338	Code Help Topics, Contents, Index, and Full-Text Search for Bridge Need Assessments	5d	8h	Tue 4/9/24	Mon 4/15/24	337	Brian Camire[20%]	No
339	Development of Help Topics, Contents, Index, and Full-Text Search for Bridge Need Assessments Complete	0d	0h	Mon 4/15/24	Mon 4/15/24	338		Yes
340	Begin Testing Functionality for Bridge Need Assessments	10d	22h	Tue 4/16/24	Mon 4/29/24	339		No
341	Test Functionality for Bridge Need Assessme	6d	12h	Tue 4/16/24	Tue 4/23/24	339	Brian Camire[25%]	No
342	Revise Functionality for Bridge Need Assessments	4d	10h	Wed 4/24/24	Mon 4/29/24	341	Carl Leth[25%],Brian Camire[25%]	No
343	Initial Testing of Functionality for Bridge Nec	0d	0h	Mon 4/29/24	Mon 4/29/24	342		Yes
344	KDOT Reviews AECOM Demonstration of Functionality for Bridge Need Assessments	1d	8h	Tue 4/30/24	Tue 4/30/24	342	Brian Camire[28%],Brian	No
345	AECOM Revises Functionality for Bridge Need Assessments to Address KDOT Feedback	4.06d	8h	Wed 5/1/24	Tue 5/7/24	344	Carl Leth[25%],Brian Camire[18%]	No
346	Functionality for Bridge Need Assessments Complete	0d	0h	Tue 5/7/24	Tue 5/7/24	345		Yes
347	Development of EPFS at AECOM Complete	0d	0h	Tue 5/7/24	Tue 5/7/24	346		Yes
348	AECOM Prepares Software Acceptance Test Documentation	45d	88h	Tue 5/7/24	Thu 7/11/24	347		No

ID	Task Name	Duration	Work	Start	Finish	Predecessors	Resource Names	Milestone
349	Draft Software Acceptance Test Plan (ATP) (Including AMP)	20d	40h	Tue 5/7/24	Wed 6/5/24	347	Carl Leth[13%],Brian Camire[50%]	No
350	Draft of Software Acceptance Test Plan (ATP) (Including AMP) Completed	0d	0h	Wed 6/5/24	Wed 6/5/24	349		Yes
351	KDOT Reviews Software ATP	5d	8h	Wed 6/5/24	Wed 6/12/24	350	Bonnie Liscek[20%]	No
352	Review and finalize Software ATP (Including AMP)	20d	40h	Wed 6/12/24	Thu 7/11/24	351	Carl Leth[13%],Brian	No
353	ATP Documentation Complete	0d	0h	Thu 7/11/24	Thu 7/11/24	352		Yes
354	AECOM and KDOT Deploy EPFS to KDOT's Development Environment	179d	298h	Tue 5/7/24	Fri 1/24/25			No
355	Set-up of Development SQL Server Instance for EPFS	31d	24h	Wed 6/5/24	Fri 7/19/24			No
356	KDOT Provisions Development SQL Server Instance for EPFS	1d	8h	Wed 6/5/24	Thu 6/6/24	350	Brian Briggs[50%],Scott	No
357	KDOT Configures Development SQL Server Instance for EPFS and Creates Empty EPFS Database	30d	16h	Thu 6/6/24	Fri 7/19/24	356	Brian Briggs[3%],Steve McGlasson[3%]	No
358	Set-up of Development SQL Server Instance for EPFS Complete	0d	0h	Fri 7/19/24	Fri 7/19/24	357		Yes
359	AECOM Installs EPFS Database Components in Development SQL Server Instance	10d	8h	Fri 7/19/24	Fri 8/2/24	358	Brian Camire[10%]	No
360	Installation of EPFS Database Components in Development SQL Server Instance Complete	0d	0h	Fri 8/2/24	Fri 8/2/24	359		Yes
361	KDOT Provides Oracle Export of EPFS Data for Deployment	5d	16h	Fri 8/2/24	Fri 8/9/24	360	Brian Briggs[20%],Steve	No
362	Oracle Export of EPFS Data for Deployment Complete	0d	0h	Fri 8/9/24	Fri 8/9/24	361		Yes
363	AECOM Migrates EPFS Data for Deployment to Development SQL Server Instance	8d	16h	Fri 8/9/24	Wed 8/21/24	359,362	Brian Camire[25%]	No
364	Migration of EPFS Data for Deployment to Development SQL Server Instance Complete	0d	0h	Wed 8/21/24	Wed 8/21/24	363		Yes
365	KDOT Develops and Deploys Web Service for Programmed Projects	20d	16h	Tue 5/7/24	Wed 6/5/24	347	Dave Sommer[10%]	No
366	Development and Deployment of Web Service for Programmed Projects Complete	0d	0h	Wed 6/5/24	Wed 6/5/24	365		Yes
367	Set-up Development Web Server	31d	24h	Wed 6/5/24	Fri 7/19/24			No
368	KDOT Provisions Development Web Server	1d	8h	Wed 6/5/24	Thu 6/6/24	350	Scott Schiller[25%],Dave	No
369	KDOT Configures Development Web Server for EPFS	30d	16h	Thu 6/6/24	Fri 7/19/24	365,368	Scott Schiller[0%],Dave	No
370	Set-up Development Web Server Complete	0d	0h	Fri 7/19/24	Fri 7/19/24	369		Yes
371	AECOM Installs EPFS Components on Development Web Server	8d	8h	Fri 7/19/24	Wed 7/31/24	370	Carl Leth[13%]	No

ID	Task Name	Duration	Work	Start	Finish	Predecessors	Resource Names	Milestone
372	Installation of EPFS Components on Development Web Server Complete	0d	0h	Wed 7/31/24	Wed 7/31/24	371		Yes
373	Test Installation in Development Environment	40d	48h	Wed 8/21/24	Thu 10/17/24	372		No
374	AECOM Tests Installation in Development Environment	10d	16h	Wed 8/21/24	Thu 9/5/24	363	Carl Leth[10%],Brian Camire[50%]	No
375	KDOT Revises Configuration of Development Environment	20d	16h	Thu 9/5/24	Thu 10/3/24	374	Brian Briggs[5%],Steve	No
376	Configuration of Development Environment Complete	0d	0h	Thu 10/3/24	Thu 10/3/24	375		Yes
377	AECOM Revises Installation in Development Environment	10d	16h	Thu 10/3/24	Thu 10/17/24	376	Carl Leth[10%],Brian Camire[50%]	No
378	Installation in Development Environment Complete	0d	0h	Thu 10/17/24	Thu 10/17/24	377		Yes
379	ATP Acceptance Testing	60d	120h	Thu 10/17/24	Thu 1/16/25			No
380	Acceptance Test Plan (ATP) Dry Runs	40d	80h	Thu 10/17/24	Tue 12/17/24	378		No
381	Acceptance Test Plan (ATP) Dry Run - Test Set 1 (Including AMP)	20d	40h	Thu 10/17/24	Fri 11/15/24		Carl Leth[13%],Brian Camire[50%]	No
382	Acceptance Test Plan Dry Run - Test Set 1 Complete	0d	0h	Fri 11/15/24	Fri 11/15/24	381		Yes
383	ATP Dry Run - Test Set 2 (Including AMP)	20d	40h	Fri 11/15/24	Tue 12/17/24	382	Carl Leth[13%],Brian	No
384	ATP Dry Run - Test Set 2 Complete	0d	0h	Tue 12/17/24	Tue 12/17/24	383		Yes
385	ATP Dry Runs Complete	0d	0h	Tue 12/17/24	Tue 12/17/24	384		Yes
386	ATP Acceptance Testing (Including AMP)	20d	40h	Tue 12/17/24	Thu 1/16/25	385	Carl Leth[13%],Brian	No
387	ATP Acceptance Testing Complete	0d	0h	Thu 1/16/25	Thu 1/16/25	386		Yes
388	KDOT Reviews AECOM Demonstration of Functionality in Development Environment to	1d	10h	Thu 1/16/25	Fri 1/17/25	387	Carl Leth[2%],Brian Camire[5%],Brian	No
389	AECOM Revises Installation in Development Environment to Address KDOT Feedback	4.06d	8h	Fri 1/17/25	Fri 1/24/25	388	Carl Leth[13%],Brian Camire[50%]	No
390	Deployment of EPFS to KDOT's Development Environment Complete	0d	0h	Fri 1/24/25	Fri 1/24/25	389		Yes
391	AECOM Prepares Installation Materials and Updates Documentation	67.94d	166h	Fri 1/24/25	Tue 4/29/25			No
392	Prepare Installation Package	8d	16h	Fri 1/24/25	Wed 2/5/25	390	Carl Leth[13%],Brian	No
393	Preparation of Installation Package Complete	0d	0h	Wed 2/5/25	Wed 2/5/25	392		Yes
394	Update Installation Instructions	8d	16h	Wed 2/5/25	Mon 2/17/25	393	Carl Leth[13%],Brian	No
395	Update of Installation Instructions Complete	0d	0h	Mon 2/17/25	Mon 2/17/25	394		Yes
396	Update System Administrator Guide	13.94d	32h	Mon 2/17/25	Thu 3/6/25	395	Carl Leth[25%],Brian	No
397	Update of System Administrator Guide Complete	0d	0h	Thu 3/6/25	Thu 3/6/25	396		Yes
398	Update User Guide	11d	26h	Fri 3/7/25	Fri 3/21/25	397	Carl Leth[25%],Brian	No

ID	Task Name	Duration	Work	Start	Finish	Predecessors	Resource Names	Milestone
399	Update of User Guide Complete	0d	0h	Fri 3/21/25	Fri 3/21/25	398		Yes
400	Update Technical Documentation	12d	32h	Mon 3/24/25	Tue 4/8/25	399	Carl Leth[25%],Brian	No
401	Update of Technical Documentation Complete	0d	0h	Tue 4/8/25	Tue 4/8/25	400		Yes
402	Review Data Retention with State Historical Socie	4d	8h	Wed 4/9/25	Mon 4/14/25	401	Bonnie Liscek[25%]	No
403	Review of Data Retention with State Historical So	0d	0h	Mon 4/14/25	Mon 4/14/25	402		Yes
404	AECOM Presents Installation Instructions and Upd	1d	8h	Wed 4/9/25	Wed 4/9/25	400	Carl Leth[50%],Brian	No
405	KDOT Reviews Installation Instructions and Upda	10d	16h	Thu 4/10/25	Wed 4/23/25	404	Brian Briggs[5%],Stev	No
406	AECOM Revises Installation Instruction and Upda	4d	12h	Thu 4/24/25	Tue 4/29/25	405	Carl Leth[13%],Brian	No
407	Installation Materials and Updated Documentatio	0d	0h	Tue 4/29/25	Tue 4/29/25	406		Yes
408	KDOT Deploys EPFS to KDOT's Test Environment	88d	136h	Wed 4/9/25	Tue 8/12/25			No
409	Set-up of Test SQL Server Instance for EPFS	45d	24h	Wed 4/9/25	Wed 6/11/25			No
410	KDOT Provisions Test SQL Server Instance for E	1d	8h	Wed 4/9/25	Wed 4/9/25	401	Brian Briggs[50%],Sco	No
411	KDOT Configures Test SQL Server Instance for E	30d	16h	Wed 4/30/25	Wed 6/11/25	407,410	Brian Briggs[3%],Stev	No
412	Set-up of Test SQL Server Instance for EPFS Co	0d	0h	Wed 6/11/25	Wed 6/11/25	411		Yes
413	KDOT Installs EPFS Database Components in Test	7d	8h	Thu 6/12/25	Fri 6/20/25	411	Brian Briggs[7%],Stev	No
414	Installation of EPFS Database Components in Test	0d	0h	Fri 6/20/25	Fri 6/20/25	413		Yes
415	Set-up of Test Web Server	45d	24h	Wed 4/9/25	Wed 6/11/25			No
416	KDOT Provisions Test Web Server	1d	8h	Wed 4/9/25	Wed 4/9/25	401	Scott Schiller[25%],D	No
417	KDOT Configures Test Web Server for EPFS	30d	16h	Wed 4/30/25	Wed 6/11/25	407,416	Scott Schiller[0%],Dav	No
418	Set-up Test Web Server Complete	0d	0h	Wed 6/11/25	Wed 6/11/25	417		Yes
419	KDOT Installs EPFS Components on Test Web Ser	14d	16h	Thu 6/12/25	Tue 7/1/25	417	Scott Schiller[7%],Dav	No
420	Installation of EPFS Components on Test Web Ser	0d	0h	Tue 7/1/25	Tue 7/1/25	419		Yes
421	KDOT Tests EPFS Installation in Test Environment	5d	8h	Wed 7/2/25	Wed 7/9/25	413,420	Brian Briggs[10%],Ste	No
422	Testing of EPFS Installation in Test Environment	0d	0h	Wed 7/9/25	Wed 7/9/25	421		Yes
423	AECOM Supports Troubleshooting of EPFS Install	19d	40h	Thu 7/10/25	Tue 8/5/25	422	Carl Leth[13%],Brian	No
424	KDOT Revises Configuration of Test Environment	5d	16h	Wed 8/6/25	Tue 8/12/25	423	Brian Briggs[20%],Ste	No
425	Deployment of EPFS to KDOT's Test Environment	0d	0h	Tue 8/12/25	Tue 8/12/25	424		Yes
426	KDOT Deploys EPFS to KDOT's Production Environment	83d	112h	Thu 7/10/25	Tue 11/4/25			No
427	Set-up of Production SQL Server Instance for EPF	52d	24h	Thu 7/10/25	Mon 9/22/25			No
428	KDOT Provisions Production SQL Server Instanc	1d	8h	Thu 7/10/25	Thu 7/10/25	422	Brian Briggs[50%],Sco	No
429	KDOT Configures Production SQL Server Instan	28d	16h	Wed 8/13/25	Mon 9/22/25	425,428	Brian Briggs[4%],Stev	No
430	Set-up of Production SQL Server Instance for E	0d	0h	Mon 9/22/25	Mon 9/22/25	429		Yes
431	KDOT Installs Database Components in Productio	10d	8h	Tue 9/23/25	Mon 10/6/25	429	Brian Briggs[5%],Stev	No
432	Installation of Database Components in Productio	0d	0h	Mon 10/6/25	Mon 10/6/25	431		Yes
433	Set-up of Production Web Server	52d	24h	Thu 7/10/25	Mon 9/22/25			No
434	KDOT Provisions Production Web Server	1d	8h	Thu 7/10/25	Thu 7/10/25	422	Scott Schiller[25%],D	No
435	KDOT Configures Production Web Server for E	28d	16h	Wed 8/13/25	Mon 9/22/25	425,434	Scott Schiller[0%],Dav	No

ID	Task Name	Duration	Work	Start	Finish	Predecessors	Resource Names	Milestone
436	Set-up of Production Web Server Complete	0d	0h	Mon 9/22/25	Mon 9/22/25	435		Yes
437	KDOT Installs EPFS Server Components on Produc	10d	16h	Tue 9/23/25	Mon 10/6/25	435	Scott Schiller[4%],Dav	No
438	Installation of EPFS Server Components on Produ	0d	0h	Mon 10/6/25	Mon 10/6/25	437		Yes
439	KDOT Tests Installation in Production Environmer	5d	8h	Tue 10/7/25	Mon 10/13/25	431,438	Brian Briggs[10%],Ste	No
440	Testing of Installation in Production Environment	0d	0h	Mon 10/13/25	Mon 10/13/25	439		Yes
441	AECOM Supports Troubleshooting of EPFS in Proc	16d	32h	Tue 10/14/25	Tue 11/4/25	440	Carl Leth[13%],Brian	No
442	KDOT Revises Configuration of Production Enviro	0d	0h	Tue 11/4/25	Tue 11/4/25	441		Yes
443	Deployment of EPFS to KDOT's Production Enviro	0d	0h	Tue 11/4/25	Tue 11/4/25	442		Yes
444	Sunset CANSYS	2d	64h	Wed 11/5/25	Thu 11/6/25	443		No
445	Shut-down CANSYS EPFS	1d	32h	Wed 11/5/25	Wed 11/5/25	443	Brian Briggs,Curtis Hu	No
446	Shut-down original EPFS environment	1d	32h	Thu 11/6/25	Thu 11/6/25	445	Brian Briggs,Curtis Hu	No
447	Sunseting Complete	0d	0h	Thu 11/6/25	Thu 11/6/25	446		Yes
448	KDOT ATMS Project Reporting	886d	240h	Wed 3/30/22	Wed 10/1/25			No
449	Quarterly Reporting	885d	240h	Wed 3/30/22	Tue 9/30/25			No
466	Close Out	26.5d	136h	Fri 11/7/25	Thu 12/18/25			No
467	Assemble Evaluation Team	2.5d	8h	Fri 11/7/25	Wed 11/12/25	447	Bonnie Liscek[40%]	No
468	Conduct Lessons Learned	8d	40h	Wed 11/12/25	Mon 11/24/25	467		No
469	Hold Lessons Learned Session	3d	24h	Wed 11/12/25	Mon 11/17/25	467	Bonnie Liscek	No
470	Develop Project Lessons Learned Document	5d	16h	Mon 11/17/25	Mon 11/24/25	469	Bonnie Liscek[40%]	No
471	Lessons Learned Complete	0d	0h	Mon 11/24/25	Mon 11/24/25	470		Yes
472	Develop PIER	16d	88h	Mon 11/24/25	Thu 12/18/25	470		No
473	Develop Draft CITO PIER	5d	16h	Mon 11/24/25	Wed 12/3/25	471	Bonnie Liscek[40%]	No
474	Internal Team Review of PIER	5d	32h	Wed 12/3/25	Wed 12/10/25	473	Gene Ingwerson[40%	No
475	Revise PIER	5d	32h	Wed 12/10/25	Wed 12/17/25	474	Bonnie Liscek[80%]	No
476	Submit PIER to CITO	1d	8h	Wed 12/17/25	Thu 12/18/25	475	Bonnie Liscek	No
477	Development of PIER Complete	0d	0h	Thu 12/18/25	Thu 12/18/25	476		Yes
478	Closeout Complete	0d	0h	Thu 12/18/25	Thu 12/18/25	477		Yes



State Archives Division
6425 SW 6th Avenue
Topeka KS 66615-1099

785-272-8681, ext. 271
matt.veatch@ks.gov
kshs.org

Jennie Chinn, Executive Director

Laura Kelly, Governor

October 7, 2021

Secretary Julie Lorenz
Kansas Department of Transportation
700 SW Harrison
Topeka, KS 66603

Dear Secretary Lorenz,

As part of the approval process for information technology projects over \$250,000, the State Archivist is required to evaluate the impact of information technology projects on government records with long-term (10+ year) retention requirements. If the project impacts long-term records, the State Archivist must ensure that appropriate provisions have been made for these records in the high-level and detailed project plans, in the system design, and for their ingestion, if prudent and feasible, into the Kansas Enterprise Electronic Preservation (KEEP) system. An Electronic Records Retention Statement and approval letter from the State Archivist must accompany high level and detailed project plans submitted to the Executive Branch Chief Information Technology Officer.

In compliance with this process, Bonnie Liscek, IT Project Manager, recently sent to me for review an Electronic Records Retention Statement (ERRS) for the Kansas Department of Transportation's Enhanced Priority Formula System (EPFS) project detail-level plan. From my examination of the project plan materials, it is apparent that this project could affect records held or generated by the system and should be further discussed with Kansas Historical Society staff. The project team has addressed this in their work breakdown structure by adding proper records management tasks.

The Electronic Records Retention Statement for the Kansas Department of Transportation's EPFS project detail level plan is approved. A copy of this approval letter should be included when submitting the plan to the Executive Branch CITO for approval.

Sincerely,

Megan Burton
Senior Archivist

cc: Cole Robison, Director of IT Accessibility, State of Kansas OITS
Bonnie Liscek, Kansas Department of Transportation

Executive Branch Information Technology
Office of Information Technology Services
2800 SW Topeka Blvd., Building 100
Topeka, KS 66611



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DeAngela Burns-Wallace, Chief Information Technology Officer

Laura Kelly, Governor

September 8, 2021

Julie Lorenz, Secretary
Department of Transportation
700 SW Harrison St., Dwight D. Eisenhower State Office Building
Topeka, KS 66603-3745

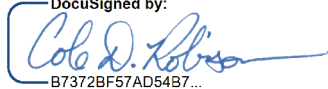
Dear Secretary Lorenz:

As part of the approval process for information technology projects over \$250,000, a statement indicating compliance with State Information Technology Executive Council (ITEC) Policy 1210 *Information and Communication Technology Accessibility Standards* must be filed with the Branch Chief Information Technology Officer and approved by the Director of Information Technology (IT) Accessibility. I recently received from Bonnie Liscek an Accessibility Compliance Statement for the Enhanced Priority Formula System (EPFS) Upgrade project for review in compliance with this process.

This Accessibility Statement, and the accompanying Accessibility Conformance Report (ACR), affirm that this project is expected to comply with the requirements of ITEC Policy 1210. Verification of compliance, and, if necessary, any remediation, will occur according to WBS tasks 4.3.1, 4.3.2, 4.4.13, 4.4.14, and 4.4.15.

The Accessibility Statement for the EPFS Upgrade detailed project plan is approved. A copy of this letter should be included with the submittal of the EPFS Upgrade detailed project plan to the Branch CITO for approval.

Sincerely,

DocuSigned by:

B7372BF57AD54B7...

Cole D. Robison
Director of IT Accessibility

cc: Anthony Fadale, State Americans with Disabilities Act Coordinator
Bonnie Liscek, Department of Transportation
Jeff Neal, Department of Transportation
Sara Spinks, Interim Director, Kansas Information Technology Office



Dwight D. Eisenhower State Office Building
700 S.W. Harrison Street
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Jefferson F Neal, Chief Information Officer

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<http://www.ksdot.org>
Laura Kelly, Governor

Enhanced Priority Formula System (EPFS)
Architectural Compliance Statement

Date: August 23, 2021

Reference: EPFS Upgrade Project

The EPFS project management team has reviewed ITEC Policies [4010](#) and [9500](#) as these policies relate to the acquisition and development of equipment, software, communications and other technologies employed to accomplish the EPFS project.

The project management team will ensure full compliance with ITEC Policies 4010 and 9500 and does not anticipate the need for a CITA waiver from ITEC Policies. Architectural compliance will be monitored as a project metric.

Mark Taylor, Director
KDOT Division of Program and Project Management

8/23/2021
Date

Melinda Desch, Program Management Assistant Director
KDOT Division of Program and Project Management

8/23/21
Date

Jeff Neal, Chief Information Officer
KDOT Office of Information Technology Services

8/23/2021
Date



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Laura Kelly, Governor

Enhanced Priority Formula System (EPFS)
Ownership of Software Code and Related Intellectual Property (ITEC Policy 1500)

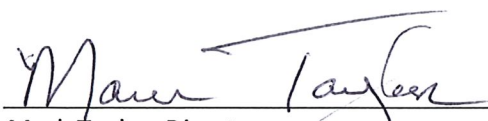
Date: August 23, 2021

Reference: EPFS Upgrade Project

The Kansas Department of Transportation is aware of the requirement of ITEC Policy 1500. The policy does not apply at this time because the software components for the algorithm for the EPFS upgrade is vendor-specific commercial-off-the-shelf (COTS) software. KDOT has a perpetual license with URS/AECOM.

The priority formula algorithm that URS authored/developed is customized to KDOT's and Kansas Legislature's needs and is proprietary to URS/AECOM. URS/AECOM has the authorship and copyrights of the current EPFS source code and the reports customizations for KDOT. The company will retain authorship and copyrights of the EPFS upgrade software. Therefore, they will continue to be the only ones who can legally modify the application.

Custom code will be limited to the code of the proprietary algorithm. If this were to change during implementation of the project, the appropriate ownership statements will be included in the contract amendment, as per Policy 1500.


Mark Taylor, Director
KDOT Division of Program and Project Management

8/23/2021
Date


Melinda Desch, Program Management Assistant Director
KDOT Division of Program and Project Management

8/23/21
Date


Jeff Neal, Chief Information Officer
KDOT Office of Information Technology Services

8/23/2021
Date

Enhanced Priority Formula System (EPFS) Upgrade

Privacy Statement—The Privacy Act of 1974, Health Insurance Portability and Accountability Act 1996 (HIPPA)

Date: August 23, 2021

Reference: KDOT EPFS Upgrade Project

1. What information is included?

The EPFS system includes transportation data such as traffic volume, roadway and bridge characteristics and condition, and geographic distribution.

2. Why is the information collected?

The information is collected by KDOT to establish Transportation Program project priorities that are engineering based. Data are collected for reporting and analysis purposes.

3. How will the information be used?

EPFS is a valuable tool for the Program and Project Management Division and KDOT Executive Staff for analyzing priorities that are based on a variety of factors such as traffic volume, roadway and bridge characteristics and condition, geographic distribution, and other factors deemed appropriate. The EPFS provides the flexibility to evaluate various categories such as interstate, non-interstate, and priority bridge. It is an essential tool not only for KDOT but also benefits state and local government officials in their considerations and input in the process of selecting and prioritizing projects.

4. Exclusion Opportunities

Because the EPFS collects no information on individuals, groups, or computers, the EPFS does not require a means for individuals or groups to request exclusion.

5. 1974 Act Implementation

Disclaimers are included in KDOT Internet and Intranet applications that refer to agency policies regarding ownership, use and privacy of data. In addition, no information subject to the Privacy Act of 1974 will be available through the application.

6. Other Privacy Requirements

No other privacy requirements exist for the EPFS upgrade project.

7. Total Privacy Cost Estimate

Because there is no individual, group, or computer data collected by the EPFS, there is no privacy cost.

Enhanced Priority Formula System (EPFS) Upgrade Security Statement (ITEC Policies 7230, 7300, 9500)

Date: September 13, 2021

Reference: EPFS Project

The Kansas Department of Transportation (KDOT), in the implementation of the EPFS upgrade, will comply with the Information Technology Executive Council's (ITEC) Policies.

End User IT Security Training

In compliance with Section 8 of Policy 7230A, KDOT provides new employees Security Awareness Training and thereafter mandates that all employees successfully complete the CBT (Computer Based Training) course on Security Awareness annually. This training was developed by the KDOT Security Officer and covers a wide variety of topics from understanding KDOT policies and procedures regarding the handling of sensitive information, to usage of software, e-mail, and the Internet. This training includes a test which must be successfully passed in order for the associate to get credit for completing the course. The KDOT Security Officer annually updates and revises the content of this training.

IT Security Staff

KDOT has an IT Security Officer who supports IT Security. The IT Security Officer's functions include setting the security policies and procedures, interfacing with third party groups and being the primary contact individual on all matters relating to computer security. The Officer administers the security for specific platforms and applications. The Officer also performs periodic reviews of user security, assists in special security projects, and audits of systems security.

EPFS Upgrade Security

1. Access Management

The EPFS upgrade design will include details regarding access controls and include proper placement of servers within the KANWIN network structure and in federally certified cloud hosting. Access to EPFS system data is for authorized agency personnel and personnel authorized by the agency.

2. Authentication

Access to the system will be controlled by a login process that meets KDOT's authentication requirements. User access to the EPFS upgrade will be role based and limit data and functionality

access to each users' defined role. Some users will also have direct access to the back-end database (within the KDOT firewall) with the same role-based permissions.

3. Security Scan

Two cybersecurity penetration tests will be performed prior to system acceptance. The EPFS upgrade will be designed such that all web pages it generates will be able to pass an appropriate security scan. The EPFS front-end will communicate with the server via an HTTP API; therefore, the API will also be considered in the penetration tests.

4. Data Encryption

The EPFS upgrade will not communicate with any services outside of the KDOT firewall, and data encryption does not apply.

5. Security Monitoring

The dataset is derived and can be recreated. Security monitoring is not required.

6. Audit/Report capabilities

KDOT will comply with Policy 7230A.

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Julie L. Lorenz, Secretary
Jefferson F Neal, Chief Information Officer



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Laura Kelly, Governor

September 8, 2021

Cole Robison
Director of IT Accessibility
Kansas Information Technology Office
Office of Information Technology Services
2800 SW Topeka Blvd.
Topeka, KS 66611-1220

Subject: Kansas Department of Transportation, Enhanced Priority Formula System (EPFS) Upgrade Project
– Web Accessibility Statement

Dear Cole:

The Kansas Department of Transportation (KDOT) has contracted with AECOM Technical Services, Inc. to develop the Enhanced Priority Formula System (EPFS) upgrade. As part of the planning process, our project team has reviewed the level of accessibility compliance of the AECOM product design against the most recent version of the Voluntary Product Accessibility Template (VPAT). Please find the completed planned VPAT attached.

The EPFS upgrade may not be able to present parts of content which require two-dimensional layout for usage. The end user may need to scroll in two dimensions to view data in data tables, and thus the EPFS upgrade may partially support accessibility requirements for reflow. As a result, our team may request exceptions to full compliance with ITEC IT Policy 1210.

The Detailed Project Plan Work Breakdown Structure (WBS) contains test development and testing to verify that the product meets accessibility standards. The testing will utilize the Automated Management Platform (AMP) accessibility testing tool licensed by Kansas agencies. These tasks to test accessibility are:

WBS	Task Name
4.3.1	Draft Software Acceptance Test Plan (ATP) (including AMP)
4.3.2	Review and Finalize Software ATP (Including AMP)
4.4.13	ATP Dry Run - Test Set 1 (Including AMP)
4.4.14	ATP Dry Run - Test Set 2 (Including AMP)
4.4.15	ATP Acceptance Testing (including AMP)

Thank you in advance for your consideration of this information. Upon your review, I request a letter from your office indicating approval of our Detailed Project Plan VPAT. We will submit a copy of your letter with the Detailed Plan to the Kansas Information Technology Office.

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Julie L. Lorenz, Secretary
Jefferson F Neal, Chief Information Officer



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<http://www.ksdot.org>
Laura Kelly, Governor

Sincerely,

A handwritten signature in blue ink that reads "Bonnie C. Liscek".

Bonnie C. Liscek, MPS, PMP
IT Project Manager
Kansas Department of Transportation
Eisenhower State Office Building
700 SW Harrison Street
Topeka, Kansas 66603
785-296-1755

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Laura Kelly, Governor

October 7, 2021

Megan Burton
Senior Archivist
Kansas Historical Society
6425 SW 6th Avenue
Topeka KS 66615-1099

Subject: Enhanced Priority Formula System (EPFS) Upgrade Project Electronic Records Retention Statement

Dear Megan:

In preparing for our EPFS Detailed Project Plan submittal to the Kansas Information Technology Office (KITO), the project team has completed a records assessment for the EPFS project based on the contracted solution. Please find attached the EPFS Electronic Records Retention Statement. This statement has been prepared following KITO instructions.

The project team thanks you in advance for your consideration of this information. Upon your review, I request a letter from your office indicating approval of the EPFS Electronic Records Retention Statement. Your letter will be submitted to the EPMO with the EPFS Detailed Project Plan.

Please let me know if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Bonnie C. Liscek".

Bonnie C. Liscek, MPS, PMP
IT Project Manager
Kansas Department of Transportation
Eisenhower State Office Building
700 SW Harrison Street
Topeka, Kansas 66603
Bonnie.C.Liscek@ks.gov

Enhanced Priority Formula System (EPFS) Electronic Records Retention Statement

Rev: 10-07-2021

The EPFS project team has addressed each of the following items and has developed the following responses:

1. For each business function supported by the proposed system, what paper records are being replaced and which will continue to exist in both paper and electronic form.

No paper records are being replaced or continuing as electronic records through the deployment of a new EPFS.

2. What new business functions will be implemented?

The system replaces an existing, outdated system performing the same function of prioritizing Transportation Program projects. No new business functions are being implemented through the deployment of the EPFS upgrade.

3. For each business function identified in 1. and 2. above, what are the legal, regulatory or operational reasons for performing it?

The EPFS is an internal management application used to facilitate planning of the distribution of state transportation system development funding. It benefits internal KDOT planning as well as state legislature, Governor, and local governments in planning efforts.

4. What legal, regulatory or operational requirements, including State Records Board approved retention schedules exist for keeping records related to each business function?

Data are kept in the database for historical perspective, and reports can be generated from annual snapshots of the database.

5. Will any of the data necessary to document the business functions either be maintained in another system within the state entity or in a system outside the state entity? If so please specify.

All data needed to document the business functions of the EPFS currently exists and is maintained within the state entity with established retention scheduled. Any new records generated as a result of EPFS implementation will be reviewed and discussed with the State Historical Society to establish the necessary retention schedule. The project Work Breakdown Structure (WBS) includes the following task during the execution phase of the project.

<u>WBS</u>	<u>Task Name</u>
4.5.11	Review Data Retention with State Historical Society

6. What are the legal, regulatory or operational requirements to providing public access to the records?

The information in the EPFS falls within the Kansas Open Records Act (KORA)ⁱ and supporting Kansas statutes referenced in KORA.

7. What are the legal, regulatory or operational requirements for controlling access to the records in order to ensure confidentiality?

The EPFS developer is required to comply with State of Kansas Information Technology Services (ITEC) Policies 7230ⁱⁱ and 7230Aⁱⁱⁱ and KDOT data security policies.

8. Identify all records with retention periods of ten or more years that will be affected by the project or indicate that the project has no such records involved.

EPFS keeps historical data from previous years (as far back as 2005). Historical data is a useful “benchmark” against which to check the data for the current year.

9. Estimate of the three year total cost of addressing records identified in No. 8 above and included on the DA519, Item #8.

There is no additional cost to address records identified in No. 8.

ⁱ Guidelines found at: [http://ag.ks.gov/docs/publications/kansas-open-records-act-\(kora\)-guidelines.PDF?sfvrsn=4](http://ag.ks.gov/docs/publications/kansas-open-records-act-(kora)-guidelines.PDF?sfvrsn=4)

ⁱⁱ ITEC Policy 7230 found at: <https://oits.ks.gov/docs/default-source/kitodocumentlibrary/ITEC-Policies/policy-7230.pdf?sfvrsn=0>

ⁱⁱⁱ ITEC Policy 7230A found at: <https://oits.ks.gov/docs/default-source/kitodocumentlibrary/ITEC-Policies/policy-7230a.pdf?sfvrsn=0>

Risk Identification Summary (Top Five Risks)

A description of project risks, the probability of the risk occurring, the impact of the risk on the project, and the suggested mitigation activities.

Last Risk Assessment Date: October 7, 2021

Prepared by: KDOT Office of Information

Reference: KDOT EPFS Upgrade Project

Technology Services

<i>Category</i>	<i>Prob</i>	<i>Imp</i>	<i>Risk</i>	<i>Mitigation Approaches</i>
Strategic	Low	Med	The solution will not be aligned with the overall business strategy of the Kansas Department of Transportation (KDOT).	The proposed solution aligns with KDOT mission and goals, as well as the KDOT Budget Plan. KDOT assigned a project manager to manage the project and to provide oversight to ensure the implementation aligns with KDOT strategic goals and project requirements.
Financial	Low	High	Financial risk could accrue to the project through; 1) lack of adequate funding; 2) change orders and increases to vendor costs.	1. KDOT has identified a funding source for upgrading the Enhanced Priority Formula System (EPFS). 2. The contract is fixed price with milestone payments. Milestones will be managed by the project team with all payments tied to acceptance of deliverables.
Project Management	Med	High	The project will experience unanticipated delays, miss key milestones/deliverables, and fall short of goals.	KDOT has established a detailed project schedule that will be maintained throughout the duration of the execution and closeout phases of the project. The vendor has assigned a project manager who also worked on the development of the current version of EPFS.

Risk Identification Summary (Top Five Risks)

<i>Category</i>	<i>Prob</i>	<i>Imp</i>	<i>Risk</i>	<i>Mitigation Approaches</i>
Technology	Low	High	The solution will fail to meet KDOT specifications and requirements.	The current EPFS system was developed 20+ years ago and is using the Oracle Application Server (OAS) technology. EPFS will be moved to a new environment that utilizes Microsoft SQL Server technology is in line with other current State architectural standards. The resulting functionality of the EPFS will primarily remain the same with some updates of the data that EPFS uses for analysis to be current with recent changes.
Change Management / Operational Risk	Low	Med	1) Unanticipated vendor changes lead to additional cost and schedule delays. 2) Misalignment of solution to operational requirements. 3) Unanticipated KDOT changes lead to additional cost and schedule delays.	1) The scope of the project is defined in the statement of work from the vendor. The contract with the vendor addresses change management and scope creep issues. 2) KDOT assigned a Project Manager to manage the project. The vendor will be required to verify the EPFS system meets project requirements through successful completion of user acceptance tests. 3) In the event that KDOT makes changes or additions in requirements that result in schedule or cost changes, change management processes will be followed.
Vendor Staff Turnover	Low	High	1) Turnover in contractor staff.	1) The vendor (AECOM) assigned one Project Manager and two Application Developers to perform tasks throughout the Execution Phase. The Project Manager and one of the Application Developers worked on the original EPFS application.

Risk Identification Summary (Top Five Risks)

<i>Category</i>	<i>Prob</i>	<i>Imp</i>	<i>Risk</i>	<i>Mitigation Approaches</i>
KDOT Staff Turnover	High	High	1) Turnover in KDOT staff.	1) KDOT assigned a Project Manager, IT staff, and Business Unit staff to participate in the project throughout the Execution and Closeout Phases. 2) The project team has enough members among which could be ready replacements for turnover.
Resequencing of Major Tasks	Med	High	1) The major project tasks will have to be re-sequenced.	1) The vendor (AECOM) participated in the development of the project plan and recommended task sequencing based upon their experience when developing the original EPFS application.

Legend

Prob = Probability of Occurrence

Imp = Impact

RISK ASSESSMENT MODEL
Detailed Plan - Summary Report
Ver. 1.0

Agency Name: Kansas Department of Transportation (KDOT)

Project Name: Enhanced Priority Formula System (EPFS) Upgrade

1. Introduction

The Risk Assessment Model measures risk in distinct areas. Below are the average scores based on the results from the questionnaire. Each area indicates the measured risk on a scale from 1 to 9, with 9 being the highest risk. Scores lower than 2.0 are considered "Low Risk", scores higher than 2.0 are "Medium Risk" and scores higher than 3.0 are considered "High Risk".

2. Summary

<u>Score</u>	<u>Risk Level</u>	<u>Risk Area</u>
1.6	LOW	Strategic Risk
1.2	LOW	Financial Risk
2.8	MEDIUM	Project Management Risk
1.3	LOW	Technology Risk
1.4	LOW	Change Management / Operational Risk

Note: If you get "#VALUE!" as a result in any of the "Score" or "Risk Level" fields, you have unanswered questions. Go back and check your answers.

3. Signature

I have reviewed the results of the Risk Assessment Model. The results are indicators only and do not represent all the risks of the project. ITEC will use the results as the basis of discussion, and will not rely solely on the output.

Bonnie C Liscek

Project Director

RISK ASSESSMENT - Summary Report
Detailed Plan - List of Comments
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