CAPITAL PLANNING ADVISORY BOARD

2022-2028 Agency Capital Plan

Staff Analysis and Comments

Cabinet:

Transportation

Road construction projects are handled through a separate planning process and are <u>not</u> required to be included with the Transportation Cabinet's submission to CPAB. However, building construction projects of the cabinet must be included in its capital plan.

In addition to the <u>Secretary's Office</u>, the following agencies within the cabinet report proposed capital projects:

The <u>Department of Aviation</u> is responsible for providing a safe and secure air transportation system. In addition to one helicopter, the Division of Aviation operates and maintains three aircraft, ranging in age from 38-50 years old. They also maintain and repair two aircraft owned and operated by the Kentucky State Police and one by the Division of Natural Resources. Aircraft assigned to the cabinet are available for use by all state agencies. The department also licenses 9 private airports, 111 private heliports, and 57 public airports on an annual basis and oversees all motor vehicle and driver's license procedures for more than three million drivers in the Commonwealth.

The <u>Department of Highways</u> is responsible for the planning, construction, maintenance, and safety of Kentucky's roads, bridges, and equipment. The department consists of many offices, some of which are the Office of Project Development, the Office of Project Delivery and Preservation, and the Office of Highway Safety.

PROPOSED PROJECTS – Funding Summary

By Fund Source	<u>2022-2024</u>	<u>2024-2026</u>	<u>2026-2028</u>	<u>Total</u>
General Funds	\$8,410,000	\$11,950,000	\$2,300,000	\$22,660,000
Restricted Funds	320,000	0	0	320,000
Federal Funds	46,750,000	6,000,000	6,000,000	58,750,000
Road Funds	64,550,000	85,275,000	55,500,000	205,325,000
Total	\$120,030,000	\$103,225,000	\$63,800,000	\$287,055,000
Funding by Agency	<u>2022-2024</u>	<u>2024-2026</u>	<u>2026-2028</u>	<u>Total</u>
Dept. of Aviation	\$8,410,000	\$11,950,000	\$2,300,000	\$22,660,000
Dept. of Highways	65,070,000	18,825,000	15,500,000	99,395,000
Secretary's Office	46,550,000	72,450,000	46,000,000	165,000,000
Vehicle Regulation	0	0	0	0
	\$120,030,000	\$103,225,000	\$63,800,000	\$287,055,000

2022-2028 CAPITAL PLAN PLAN OVERVIEW FORM SYP-P1

Branch: Cabinet/Function: Executive Branch Transportation Cabinet

The Kentucky Transportation Cabinet reviewed over 68 capital project and capital pool proposals. Each proposal was given consideration with respect to the mission of the cabinet and delivery of services to customers as well as various safety issues. The cabinet's recommendations consider factors maintained in its property inventory system such as age, condition and practicality. The cabinet's Capital Project Committee then determines the prioritization of the capital projects based upon the following criteria: critical or immediate need, protecting investments, enhancement of the networking infrastructure for information technology, environmental impact and overall statewide impact.

The cabinet has also established as a priority within each biennial submission, the maintenance and upkeep of its facilities statewide. The cabinet wishes to address these needs first and foremost with the maintenance pool accounts before proposing any new construction projects.

Enhancements to the cabinet's IT system AASHTOWare is also proposed. This enhancement will improve efficiency and compliance, increase overall customer service, and is critical to the future of the cabinet.

A noteworthy pool account is the Aircraft Maintenance pool. The Capital City Airport is operating the oldest inventory of aircraft in its history. Today, the average age of the fleet is over 40 years old. These funds will be used by the airport to perform all maintenance for agency aircraft according to federal aviation regulations, and for contract maintenance for avionics repair and/or other related items. This project protects investments in current equipment, addresses safety issues, has a public safety/domestic security use and has a high agency priority.

The cabinet's Division of Facilities Support began reassessing the condition of all of its facilities, in early 2009, under a standard set of criteria. The facilities managed by this division will fall into two distinct categories: district office buildings and highway maintenance facilities/salt structures. The reassessment of all the facilities has been a worthwhile goal and a recognizable challenge for the cabinet. First, by creating a fundable replacement schedule for those maintenance facilities deemed to be inadequate and physically obsolete, then by scheduling the replacement of a district office building every two years. The 2022-2028 capital plan intends to replace structures which are substantially beyond their intended useful life spans and those structures that do not meet the modern and expected demands for the level of service to be provided.

TRANSPORTATION CABINET

Proposed Projects Involving the General Fund (cash or bonds)

(amounts in **bold** are the total budget)

<u>2022-2024</u>

(Projects listed by cabinet priority; descriptions are from the agency submission)

1 Aircraft Major Maintenance Pool

This pool is required to maintain seven different aircraft: three airplanes and one helicopter belonging to KYTC; one helicopter that belongs to the Energy and Environment Cabinet, but is maintained and operated by the Capital City Airport Division; and, two airplanes belonging to the Justice and Public Safety Cabinet. (EQ) Dept. of Aviation Priority #1

CPAB Staff Notes

- Aircraft maintenance pools in the same dollar amount are proposed for 2024-26 and 2026-28.

2 Purchase New Jet Fuel Truck

The Capital City Airport currently owns a 1996 model refuel truck which has exceeded its lifecycle. Due to its age, this refuel truck has recently experienced several automotive and refuel mechanical problems. As a primary source of revenues for the airport, this truck is an essential piece of ground support equipment used by flight-line personnel to refuel aircraft. (EQ) Dept. of Aviation Priority #2 <u>CPAB Staff Notes</u>

- NEW project – has not been listed in a previous capital plan.

3 Construct Capital City Airport Terminal Building

Funding is requested to construct a new airport terminal building (approximately 3,000-4,000 sf) to replace the old and outdated terminal building at the Capital City Airport. The airport is growing, but the existing terminal building is inadequate for current and future operations. Frankfort serves a large portion of the region referred to as the Airport Service Area that encompasses Franklin County and all other bordering counties. (C-O) Dept. of Aviation Priority #3

CPAB Staff Notes

This project was included in the cabinet's last capital plan a scope of \$3,500,000. The new project scope reflects updated construction costs.

4 Construct Sixteen New T-Hangars

This project will construct 16 new T-Hangars to provide secure storage space for civil aviation aircraft. Currently, there is a waiting list of 20 individuals who have expressed an interest in renting T-Hangars to store their personal aircraft. The additional T-Hangars will provide more secure aircraft storage and help generate additional revenue for Kentucky's Capital City Airport. (C-O) Dept. of Aviation Priority #4 <u>CPAB Staff Notes</u>

- The project could generate at least \$21,840 in annual revenue based on the number of hangars, the square footage, and recent rental experience (16 X 1,400 X \$1.56 = \$34,944).

5 Left Engine Overhaul on KSP Lear Jet 35A

Learjet (N36SP) airplane will be due a mandatory left engine overhaul to meet the directives of both the engine manufacturer and FAA. Certain parts inside the engine are mandated to be replaced during the engine overhaul. The maintenance repair and overhaul facility will determine whether the engine is overhauled or exchanged based on both the cost to overhaul the engine and availability of replacement engines. (EQ) Dept. of Aviation Priority #5

CPAB Staff Notes

- NEW project has not been listed in a previous capital plan.
- The aircraft flies approximately 70 hours per year and one engine is scheduled for overhaul in approximately 300 hours. The aircraft is owned and operated by the Kentucky State Police and maintained by the Capital City Airport. This aircraft is used primarily to transport the Governor, and Economic Development Cabinet and other state officials when traveling. The cabinet notes that further discussion needs to occur before expending money on this aircraft if the current low flight time utilization continues.

\$1,600,000

\$210.000

\$4,000,000

\$2,000,000

\$600.000

TRANSPORTATION CABINET

Proposed Projects Involving the General Fund (cash or bonds) - cont'd

(Projects listed in alphabetical order)

<u>2024-2026</u>

Aircraft Major Maintenance Pool - 2024-2026	\$1,600,000
Construct One Aircraft Maintenance Hangar	1,250,000
Construct Two Medium Sized Box Hangars	1,500,000
Right Engine Overhaul on KSP Lear Jet 35A	600,000
Single Engine Helicopter/Exe. Transp. Aircraft	3,000,000
Twin Engine Airplane/Exec Transport Aircraft	4,000,000

<u>2026-2028</u>

Aircraft Major Maintenance Pool Single Engine Utility Airplane \$1,600,000 700,000

TRANSPORTATION CABINET **Proposed Projects Involving the Road Fund**

<u>2022-2024</u>

(Projects listed by cabinet priority; descriptions are from the agency submission)

Maintenance Pool 2022-2024 1

The funds in this pool account will be used for small construction, building maintenance, renovation, emergency repairs, insulation, metal/concrete repair and for maintenance of 1,400 KYTC buildings statewide. (C-PI) Secretary's Office Priority #1

2 Repair Loadometers and Rest Areas - 2022-2024

Funds provide for general repairs, emergency repairs, maintenance, renovation and improvements of existing loadometer stations and interstate and parkway rest areas. These repairs are done on an asneeded basis. (C-PI) Dept. of Highways Priority #1

Various Environmental Compliance - 2022-2024 3

The project is required in order to maintain compliance with environmental laws and regulations applicable to KYTC maintenance/support facilities statewide. Activities include the investigation of identified contamination and its remediation as well as fulfilling sampling and monitoring requirements associated with various state water quality permits. (C-PI) Dept. of Highways Priority #2

Road Maintenance Parks - 2022-2024 4

Funds are provided for the maintenance and improvements of state park roads and parking areas, including resurfacing, striping, culverts, bridges, shoulders, ditches, curbs, and guardrails, and construction of new public access roadway facilities. (C-PI) Dept. of Highways Priority #3

5 AASHTOWare-Add'l Funding

KYTC subscribes to the AASHTOWare Project™, Bridge Maintenance™, SafetyAnalyst and pavement management applications. To stay current with changes in federal regulations and technology, new versions of the software must be implemented regularly. Many of these products are moving from client-server based to web-based requiring a more in depth upgrade. (IT) Secretary's Office Priority #2

6 Construct D6 Office and Mat Lab-Add'l Funding

Replace District 6 Office and Materials Lab. (C-O) Secretary's Office Priority #3

7 Construct Whitley County Maintenance/Salt Facility-Add'l Funding

The purpose of this project is to construct a new Whitley County Maintenance facility and a Salt storage structure. The proposed size for the facility will be 8,000 square feet, have salt storage capacity of 1,500 tons, and will be located on an 8 to 10 acre site. (C-O) Secretary's Office Priority #4

Construct Breckinridge County Maintenance/Salt Facility 8

The purpose of this project is to construct a new Maintenance facility and a Salt storage structure. The proposed size for the facility will be 8,000 square feet, have salt storage capacity of 1,500 tons, and will be located on an 8 to 10 acre site. (C-O) Secretary's Office Priority #5

Construct Regional Salt Structures 9

This project will be to construct a new salt storage structure and salt brine generator used for a regional salt storage facility for Districts 1, 2, 3, 8 and 11. (C-O) Secretary's Office Priority #6

10 Bridge Equipment Garage/Material Fabrication Facility

Provide a structure to store aerial inspection units and other equipment that are currently stored under the tunnel. A contained building would protect the equipment from the elements and allow a safer space to perform repairs and inspections. The building would also include a welder, office, storage room and a rest room. (C-PI) Dept. of Highways Priority #4

\$1.000.000

\$6,000,000

\$7,500,000

\$2,500,000

\$2,000,000

\$6,750,000

\$1.500.000

\$1,500,000

\$2,500,000

\$5,500,000

11 Construct Union County Maintenance/Salt Facility

The purpose of this project is to construct a new Union County Maintenance facility and a Salt storage structure. The proposed size for the facility will be 8,000 square feet, have salt storage capacity of 1,500 tons, and will be located on an 8 to 10 acre site. (C-O) Secretary's Office Priority #7

12 Construct District 2 Office and Materials Lab

Replace District 2 Office and Materials Lab. (C-O) Secretary's Office Priority #8

13 Construct Morgan County Maintenance/Salt Facility

The purpose of this project is to construct a new Morgan County Maintenance facility and a salt storage structure. The proposed size for the facility will be 8,000 square feet, have salt storage capacity of 1,500 tons, and will be located on an 8 to 10 acre site. (C-O) Secretary's Office Priority #9

14 Construct Bath County Maintenance/Salt Facility

The purpose of this project is to construct a new Bath County Maintenance facility and a salt storage structure. The proposed size for the facility will be 8,000 square feet, have salt storage capacity of 1,500 tons, and will be located on an 8 to 10 acre site. (C-O) Secretary's Office Priority #10

15 Construct Hart County Maintenance/Salt Facility

This project will construct a new maintenance building to house the Hart County maintenance crew and a salt storage structure. The new building will have 8,000 square feet of space and will either be located on an existing five acre lot with additional land to be added or on a new lot to be acquired. (C-O) Secretary's Office Priority #11

16 Construct Mercer County Maintenance/Salt Structure

The purpose of this project is to construct a new Mercer County Maintenance facility and a Salt storage structure. The proposed size for the facility will be 8,000 square feet, have salt storage capacity of 1,500 tons, and will be located on an 8 to 10 acre site. (C-O) Secretary's Office Priority #12

17 Construct Pike County Maintenance/Salt Facility Shelby Garage

The purpose of this project is to construct a new Pike County Maintenance facility and a Salt storage structure. The proposed size for the facility will be 8,000 square feet have salt storage capacity of 1,500 tons, and will be located on an 8 to 10 acre site. (C-O) Secretary's Office Priority #13

18 Construct New Roadside Maintenance Buildings

Construct new roadside maintenance buildings in Districts 2, 7, 8, 10 and 11. Many districts do not have designated roadside facilities. Their materials and equipment are stored as spaces available in the district. This practice hinders the effectiveness of the crew in these districts and impacts their ability to maintain an effective inventory and properly store and maintain their equipment. (C-O) Dept. of Highways Priority #5

19 Permanent Salt Conveyor System - Graves County

Install a permanent salt conveyor system to improve the capacity of the existing salt structure. (C-PI) Secretary's Office Priority #14

20 Construct Boyle County Bridge Crew Facility

Boyle County bridge crew facility - 30'x60' building with a garage, office, restrooms, and storage closet to provide offices for staff and necessary storage for equipment and materials. Location would be at the Boyle Co maintenance lot. (C-O) Secretary's Office Priority #15

\$2,500,000

\$3,000,000

\$2,500,000

\$1,200,000

\$8,250,000

\$2.500.000

\$2.500.000

\$2,500,000

\$2,500,000

\$350,000

TRANSPORTATION CABINET Proposed Projects Involving the Road Fund – cont'd

<u>2024-2026</u>

AASHTOWare	\$1,000,000
Construct Bell County Maintenance/Salt Facility	2,750,000
Construct District 5 Equipment Garage	4,800,000
Construct District 8 Office and Material Lab	8,500,000
Construct Equipment Garage District 12	4,000,000
Construct Fleming/Rowan County D- 9 Office and Material Lab	8,250,000
Construct Harlan County Maintenance Facility/Salt Storage	2,750,000
Construct Henry County Maintenance/Salt Facility	2,750,000
Construct Hickman County Maintenance/Salt Facility	3,250,000
Construct Knott Maintenance/Salt Facility	2,750,000
Construct McCracken County D-1 Office and Material Lab	8,500,000
Construct McLean County Maintenance/Salt Structure	2,750,000
Construct New Roadside Maintenance Buildings	3,000,000
Construct Trimble County Maintenance/Salt Facility	2,750,000
Construct Wolfe County Maintenance/Salt Facility	2,750,000
Construct Regional Salt Structures	1,500,000
District 6 Equipment Repair Facility	3,400,000
Maintenance Pool 2024-2026	8,000,000
New Skid Truck and Trailer	325,000
Owensboro Satellite Offices for District Office	2,000,000
Repair Loadometers and Rest Areas - 2024-2026	6,000,000
Road Maintenance Parks - 2024-2026	2,500,000
Various Environmental Compliance - 2024-2026	1,000,000

<u>2026-2028</u>

Construct Boyd County Maintenance/Salt Facility	2,750,000
Construct Caldwell County Maintenance/Salt Structure	2,750,000
Construct Daviess County Maintenance. Facility and Salt Structure	2,750,000
Construct District 12 Office and Materials Lab	8,500,000
Construct Floyd County Maintenance/Salt Structure	2,750,000
Construct Johnson County Maintenance/Salt Facility	2,750,000
Construct Knox County Maintenance/Salt Structure	2,750,000
Construct Leslie County Maintenance/Salt Facility	2,750,000
Construct Letcher County Maintenance/Salt Structure	2,750,000
Construct Nelson County Maintenance/Salt Facility	2,750,000
Construct Pike County Maintenance/Salt Facility Canada Garage	2,750,000
Construct Regional Salt Structures	1,500,000
Maintenance Pool 2026-2028	8,500,000
Repair Loadometers and Rest Areas - 2026-2028	6,000,000
Road Maintenance Parks - 2026-2028	2,500,000
Various Environmental Compliance - 2026-2028	1,000,000

Transportation Cabinet – Agency Maintenance Pool Allocations 2020-2022 Budget

<u>Department of Aviation - Aircraft Major Maintenance Pool</u> (Funding Sources - \$1,400,000 Investment Income/\$300,000 Restricted Funds)

N148KY M/R Blades, Grips and Latch Bolts Replace	\$185,000	Proposed
N148KY Fuel Control	15,000	Proposed
N148KY Inspections	17,000	Proposed
N148KY Paint Aircraft Exterior	35,000	Proposed
N148KY Helicopter Terrain Awareness/Warning System	15,000	Proposed
N3KY T/R Blades Retire	20,000	Proposed
N3KY M/R Mast, TT Straps, Grips Replace	75,000	Proposed
N3KY Fuel Control O/H	30,000	Proposed
N3KY Inspections	15,000	Proposed
N3KY Paint Aircraft Exterior	45,000	Proposed
N3KY Helicopter Terrain Awareness/Warning System	15,000	Proposed
N723KY Inspection	10,000	Proposed
N723KY Auto Pilot Replace	60,000	Proposed
N723KY Replace Engine Gauges	24,000	Proposed
N82KY Inspection	7,000	Proposed
N51608 Inspection	7,000	Proposed
N24SP 6 Year MLG Inspection	50,000	Proposed
N24SP Phase 1 and 2	10,000	Proposed
N24SP Phase 3 and 4	10,000	Proposed
N36SP LH ENGINE Due CZI	55,000	Proposed

Department of Highways - Repair Loadometer and Rest Areas (Funding Source - \$3,000,000 Road Funds)

Rest Area Maintenance and Repairs- Statewide	\$50,000	Underway
Laurel County Weigh Station Buildings Repairs	80,607	Proposed
Laurel County Weigh Station Buildings Repairs	153,981	Underway
Laurel County Weigh Station Buildings Repairs	277,412	Completed
Loadometers Maintenance and Repairs- Statewide	75,000	Underway
Loadometers Maintenance and Repairs- Statewide	75,000	Completed
General Repairs Rest Areas - Statewide	45,199	Proposed
General Repairs Rest Areas - Statewide	4,801	Completed
Repair Feasibility Study - Clark County Rest Area	50,000	Proposed
Building Repairs and Upgrades Scott County Southbound	140,000	Proposed
Repair Loadometers and Rest Areas - 2020-2022	548,000	Proposed

Department of Highways - Road Maintenance Parks (Funding Source - \$2,500,000 Road Funds)

Wickliffe Mounds Parking Lot Resurfacing	\$55,390	Proposed
Wickliffe Mounds Parking Lot Resurfacing	5,610	Proposed
Carter Caves State Park Resurface Entrance Road	10,000	Proposed
Big Bone Lick - Slide Repair and Resurfacing	146,000	Proposed
Road Maintenance Parks - 2020-2022	1,033,000	Proposed

Transportation Cabinet – Agency Maintenance Pool Allocations – cont'd 2020-2022 Budget

<u>Secretary's Office - Maintenance Pool</u> (Funding Source - \$5,900,000 Road Funds)

Carroll County Maintenance Roof Replacement	\$32,811	Proposed
Carroll County Maintenance Roof Replacement	5,630	Underway
Carroll County Maintenance Roof Replacement	90,559	Completed
Fayette County District Office/HVAC Repair	73,750	Proposed
Fayette County District Office/HVAC Repair	76,250	Underway
Laurel County Salt Structure	195,418	Proposed
Grant County Salt Structure	195,418	Proposed
Harrison County Equipment Shed	39,080	Underway
Harrison County Equipment Shed	25,920	Completed
Muhlenberg/Henderson County Equipment Sheds	2,800	Proposed
Muhlenberg/Henderson County Equipment Sheds	12,200	Completed
Overhead Door Installations and Repairs	872	Proposed
Overhead Door Installations and Repairs	74,128	Completed
Small Construction Projects Statewide	105,638	Proposed
Small Construction Projects Statewide	142,447	Underway
Small Construction Projects Statewide	307,079	Completed
Salt Structures Repairs Statewide	241,550	Proposed
Salt Structures Repairs Statewide	66,453	Underway
Salt Structures Repairs Statewide	131,997	Completed
McCreary County Maintenance Garage Roof	16,000	Proposed
McCreary County Maintenance Garage Roof	59,000	Completed
Oldham County Maintenance Garage Roof	20,500	Proposed
Oldham County Maintenance Garage Roof	54,950	Completed
Harlan County Sewer Project	7,723	Proposed
Harlan County Sewer Project	77,277	Underway
Harlan County Roof/Gutter Project	7,740	Proposed
Harlan County Roof/Gutter Project	77,260	Underway
Pendleton County Salt Structure	145,000	Proposed
Todd County Salt Structure	145,000	Proposed
Carter County Maintenance Garage Roof/Gutters	70,000	Proposed
Owen County Maintenance Garage Roof/Gutters	70,000	Proposed
Maintenance Pool 2020-2022	379,550	Proposed

Transportati	on Cabinet		
Quarterly Status Report - Current Capital Projects			
Project Title	Authorization	Status	Percentage Complete
AASHTOWare	2020-2022	Initiation Phase	
Bullitt County Welcome Center	CPBOC-10/01/19	Complete/In Warranty	100
Construct Casey County Maintenance Facility	2020-2022	In Construction	5
Construct Clay County District 11 Office	2018-2020	Planning	
Construct Crittenden County Maintenance Facility	2018-2020	Complete/In Warranty	09/11/20
Construct Hopkins Co. Maint. Facility and Salt Storage Structure	2018-2020	Design/Phase C	
Construct Nicholas County Maintenance/Salt Structure	2020-2022	In Construction	5
Construct Whitley County Maintenance/Salt Structure	2020-2022	Awaiting Initiation by Agency	
International Registration Plan System Upgrade	2016-2018	Execution and Control Phase	78
Replace Automated Vehicle Information System (AVIS)	2008-2010	Execution and Control Phase	47
Replace Kentucky Driver Licensing System	2012-2014	Initiation Phase	3
Simpson County Welcome Center	CPBOC- 9/1/19	Complete/In Warranty	100
Transportation Enterprise Database II	2016-2016	Execution and Control Phase	48
Transportation Warehouse Facility Renovation or Replacement	2020-2022	Design/Phase C	
Whitley County Welcome Center	CPBOC-9/1/19	Complete/In warranty	100

Project Status is identified as one of the following:

- <u>Awaiting Initiation by Agency</u> project has not started.
- <u>Design/Phase C</u> construction document development.
- In Construction between construction contract award and substantial completion.
- <u>Complete/In Warranty</u> Certification of substantial completion has been received from the A/E and the contractor warranty period has not yet expired.
- <u>Planning</u> In-house activity prior to A/E selection; if the project is being financed from restricted, federal, or "other" funds, this category is not to be used until those funds have been awarded or received.

In addition to the Awaiting Initiation by Agency, Closeout, and Other categories as above; **IT project phases** are follows:

- Initiation definition of a new project or a new phase of existing project.
- Planning establishment of project scope, objectives, and course of action.
- Execution and Control activities to fulfill project specifications.

CPBOC – Project approved by the Capital Projects and Bond Oversight Committee, a statutory committee of the Kentucky General Assembly.