

FY 2025 Statewide Planning and Research (SPR) Work Program - Subpart A SP 0020 (042)

JUNE 16, 2024 – JUNE 15, 2025



IN COOPERATION WITH
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION



U.S. Department
of Transportation
**Federal Highway
Administration**

Kentucky Division

July 12, 2024

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In Reply Refer To:
HDA-KY

Mikael B. Pelfrey, P.E.
Director, Division of Planning
Kentucky Transportation Cabinet
200 Mero Street, 5th Floor
Frankfort, Kentucky 40622

Dear Mr. Pelfrey:

The Kentucky Division of the Federal Highway Administration, in consultation with Region 4 of the Federal Transit Administration, has reviewed the following document and found the proposed activities eligible for federal planning funds under 23 U.S.C. 134, 135, 505 or 49 U.S.C. 5303-5305, 5313(b) and the provisions of 2 CFR § 200, 23 CFR § 420 and 23 CFR § 450.

FY 2025 Statewide Planning and Research (SPR) (Planning) Work Program - Subpart A
SP 0020 (042)

The SPR Planning Work Program should be administered in accordance with the provisions of 2 CFR §200 and 23 CFR § 420. The effective funding period is from June 16, 2024 – June 15, 2025.

Authorization of this work is subject to the availability of funds.

Prior approval is required for the following changes to the SPR Work Program:

- Budgetary changes,
- Increase in federal funds,
- Cumulative transfer among already approved work program line items of 10% of the total federal funds or \$100,000,
- Programmatic changes,
- Change in the scope or objectives of activities (e.g., adding or deleting items),
- Extending the period of performance past the approved work program period,
- Transferring substantive programmatic work to a third party (e.g., consultant work not identified in the original work program), and/or
- Capital expenditures including purchase of equipment.

There are two additional program monitoring and reporting requirements associated with the SPR Planning Work Program, an independent audit and an annual performance and expenditure report.

The Single Audit Act of 1984, subsequent amendments, and corresponding regulations require an independent annual audit of any non-federal entity expending \$500,000 or more in Federal funds from all sources in a fiscal year. (2 CFR § 200).

The annual performance and expenditure report is required to be submitted within 90 days after the end of the report period. [23 CFR 420.117 (b) and (c)].

We appreciate the work that went into the development of this SPR Planning Work Program.

Sincerely,



Tonya Higdon, P.E.
Statewide Planning & MPO Coordinator for Planning,
Environment, & System Performance Team

cc:

John Ballantyne, FHWA-KY Team Lead

Vontra Giles, FTA-R4

Aviance Web, FTA-R4

**COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS
DIVISION OF PLANNING**



**FY 2025 STATEWIDE PLANNING AND RESEARCH
(SPR) WORK PROGRAM - SUBPART A
SP 0020 (042)**

JUNE 16, 2024, THROUGH JUNE 15, 2025

**PART I
PLANNING**

**PREPARED IN COOPERATION
WITH
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION**

INTRODUCTION

The Planning and Research Program Annual Work Program is required under 23 CFR 420.111. Due to the organization of the Cabinet, the Planning and Research portions are submitted as separate documents. This document outlines the transportation planning activities as Planning (Part I) of the work program. A detailed organizational chart for the Division of Planning is included as **Exhibit 1** to demonstrate which division branches are responsible for which planning activities.

The Kentucky Transportation Cabinet works with many partners in performing the planning activities. Each Highway District Office has a Planning function that performs planning activities for many of the chapters in the work program. KYTC also has agreements with each of the 15 Area Development Districts (ADDs) in the Commonwealth. The ADDs in cooperation with the Highway District Offices Planning Section perform for the Cabinet much of the Public Involvement in Statewide Transportation Planning (23 CFR 450.200), intermodal and freight activities, and data collection. The Metropolitan Planning Organizations receive funding each year to meet the requirements of 23 CFR 450 Subpart C. The consulting industry and the Kentucky Transportation Center are also used at times when additional resources are needed.

This year's work program continues activities related to improving data quality, storage and reporting, data driven project prioritization, and performance measurement. The Division will continue to evaluate and assist with air quality conformity issues and to identify operational and performance improvements to maximize the efficiency of the existing transportation network. Coordination will be conducted with elected officials and AASHTO on various issues.

Due to continued staffing limitations, outsourcing may be utilized for traffic counts, traffic forecasts, data collection, map products, planning studies, and other activities. The Division of Planning also continues to evaluate core functions to streamline and ensure that required activities are completed. Programs may be eliminated if not directly required by regulation or statute.

Please refer to each chapter contained within this work program for more details.

FOREWORD

This Planning Program SP 0020 (042) for the period June 16, 2024, to June 15, 2025, is submitted in compliance with the provisions of 23 CFR 420 and describes programs and operations for planning activities in the Kentucky Transportation Cabinet (KYTC). These funds will be administered in accordance with the provisions of 49 CFR 18, 23 CFR 420, and 2 CFR 200. This program modifies and updates previous such programs and is specifically intended to reflect the needs of the Kentucky Transportation Cabinet. It is fully expected that products from this program will also have national applications. In general, these funds are used to assist the KYTC in meeting federal reporting and planning requirements.

The Division of Planning is charged with the responsibility for recommending, advising, and assisting the chief administrators of the KYTC in the development of the overall goals, policies, project priorities, and procedures relating to the total transportation program of the Cabinet. Proposed activities for Fiscal Year 2025 are reported in detail by Chapter in this Work Program.

It is expected that most activities in this Work Program will be complete by June 15, 2025. However, there are programs, especially those that must be contracted, cannot be completed by June 15. Those items that are not complete by June 15 will be identified in the Annual Performance and Expenditure Report and will either be completed under a time extension or by carry over to the next year in following 49 CFR 18 and 23 CFR 420. For those items not completed by June 15, an extension of the work program will be requested from FHWA.

The fiscal portions of the Work Program are based on funding availability provided by the Cabinet's Office of Budget and Fiscal Management. Funding is summarized in **Exhibit 2** and **Exhibit 3**.

DIVISION OF PLANNING

EXHIBIT 1 – ORGANIZATIONAL CHART

Current as of 7/16/2024

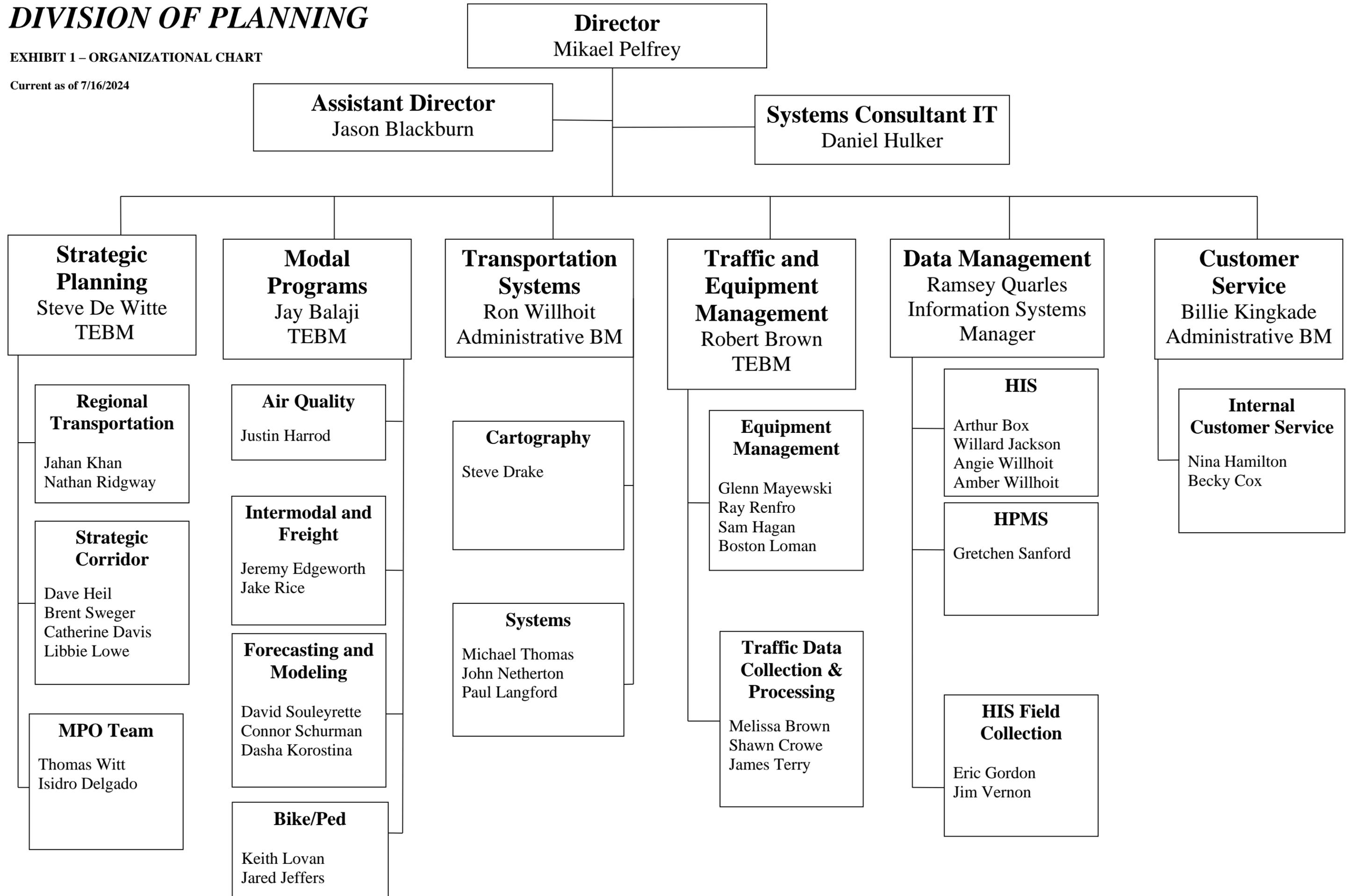


EXHIBIT 2

Planning Work Program FY 2025

Program Identity

<u>Kentucky Transportation Cabinet</u>	<u>Federal</u>	<u>State Match*</u>	<u>Local Match</u>	<u>Other</u>	<u>Total</u>
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Planning

Personnel Costs	\$8,089,200	\$2,022,300			\$10,111,500
Outsourcing Costs	\$4,216,800	\$1,054,200			\$5,271,000
Other Costs	\$774,000	\$193,500			\$967,500
** Total SPR Funds	\$13,080,000	\$3,270,000			\$16,350,000

Other Divisions

Highway Design (Ch 15)	\$400,000	\$100,000			\$500,000
** Total SPR Funds	\$400,000	\$100,000			\$500,000

Partner Agencies

PL Funded MPO Planning Budgets	\$3,230,400	\$201,900	\$605,700		\$4,038,000
PL Discretionary Fund	\$1,626,800		\$304,200		\$1,931,000
Total PL Funds	\$4,857,200	\$201,900	\$909,900		\$5,969,000

ADD Regional Transportation Program (State Funds)		\$840,200	\$137,800		\$978,000
ADD Regional Transportation Program (General Funds)		\$400,000			\$400,000
Total ADD funds		\$1,240,200	\$137,800		\$1,378,000

TOTALS

\$24,197,000

Notes:

- 1) Potential Outsourced Items are indicated in each chapter.
- 2) PERSONNEL COSTS include staff charges. OUTSOURCING COSTS includes activities to be completed by contract due to staffing limitations. OTHER COSTS include equipment, supplies, software, travel, carpool rental, printing, and other charges not related to personnel costs and are identified in each chapter.

* Pending Legislative Approval

** BIL/IIJA Requirements for "Complete Streets" as part of the Total SPR funds with the 2.5% set aside is either being satisfied or exceeded per the documented funding and tasks identified in the following associated chapters with reference to Complete Streets: Ch. 1, Ch. 2, Ch. 7, Ch. 8, Ch. 14 & Ch.15.

Exhibit 3

Base PL Funding for FY 2025				
	PL 80%	KYTC 5%	LPA 15%	Total 100%
MPO Area	Federal \$	State \$	Local \$	F+S+L \$
Bowling Green	\$152,000	\$9,500	\$28,500	\$190,000
Cincinnati - Northern KY	\$572,800	\$35,800	\$107,400	\$716,000
Clarksville	\$56,800	\$3,550	\$10,650	\$71,000
Elizabethtown	\$134,400	\$8,400	\$25,200	\$168,000
Evansville - Henderson	\$75,200	\$4,700	\$14,100	\$94,000
Huntington - Ashland	\$149,600	\$9,350	\$28,050	\$187,000
Lexington	\$500,000	\$31,250	\$93,750	\$625,000
Louisville	\$1,349,600	\$84,350	\$253,050	\$1,687,000
Owensboro	\$128,000	\$8,000	\$24,000	\$160,000
Paducah	\$112,000	\$7,000	\$21,000	\$140,000
TOTAL	\$3,230,400	\$201,900	\$605,700	\$4,038,000

New PL Discretionary Funding for FY 2025					
Available:	\$1,207,621	Federal PL	Non-Federal	Total	Source of Non-Federal Match
MPO Area & Description (* indicates project to be led by KYTC Planning)	80%	20%	100%		
Bowling Green: Bowling Green-Warren County MTP	\$200,000	\$50,000	\$250,000	Local	
Cincinnati-Northern Kentucky: Boone County Transportation Plan Update	\$132,000	\$33,000	\$165,000	Local	
Owensboro: I-165 Interchange Feasibility Study*	\$160,000	\$40,000	\$200,000	Local	
Paducah: Paducah-McCracken MTP*	\$250,000	\$0	\$250,000	Toll Credits	
		\$0	\$0		
TOTAL	\$742,000	\$123,000	\$865,000		

Ongoing PL Discretionary Funding Obligated in Prior Years

MPO Area & Description (* indicates project to be led by KYTC Planning)	Federal PL 80%	Non-Federal 20%	Total 100%	Source of Non- Federal Match
Cincinnati-Northern Kentucky: Newport 2-Way Street Study*	\$120,000	\$30,000	\$150,000	Local
Lexington: Nicholasville Rd Transportation Feasibility Study, Traffic & Transit Analysis*	\$200,000	\$50,000	\$250,000	Local
Louisville: KY 329B Corridor Study (to be led by Oldham County)	\$160,000	\$40,000	\$200,000	Local
Evansville-Henderson: Regional Pavement Management System	\$44,800	\$11,200	\$56,000	Local
Huntington-Ashland: US60/KY180 Corridor Management Plan	\$200,000	\$50,000	\$250,000	Local
Elizabethtown: Public Transportation Study (use Y410 funds; 100% Federal)	\$160,000	\$0	\$160,000	N/A
TOTAL	\$884,800	\$181,200	\$1,066,000	

FY 2025
SPR CHAPTER FUNDING SUMMARY

<u>CHAPTER</u>	<u>TITLE</u>	<u>AMOUNT</u>	<u>PAGE</u>
1	SPR Work Program	\$852,000	9
2	Personnel Training	\$123,000	11
3	Traffic and Engineering Management	\$3,975,000	12
4	Transportation Systems	\$800,000	15
5	Cartography	\$330,000	17
6	Highway Information System	\$1,580,000	19
7	Strategic Corridor Planning	\$3,500,000	22
8	Statewide Transportation Planning	\$2,000,000	31
9	Metropolitan Planning Organizations	\$775,000	34
10	Performance Measures and Congestion/Mobility Analysis	\$190,000	36
11	Air Quality	\$150,000	39
12	Multimodal Freight Transportation	\$835,000	42
13	Statewide Traffic Data Forecasting and Transportation Modeling	\$900,000	46
14	Bicycle and Pedestrian Program	\$340,000	49
	Planning Total	\$16,350,000	
15	Quality Assurance	\$500,000	54
	Other Items Total	\$500,000	
	Work Program Total	\$16,850,000	

** Funding will be 80% Federal, 20% State Match*

CHAPTER 1

SPR Work Program

RESPONSIBLE UNIT

Division of Planning
Customer Service Branch

PURPOSE AND SCOPE

The Customer Service Branch in the Division of Planning is responsible for administrative, budgetary, and expenditure tracking activities directly attributable to the completion of the SPR Planning Work Program chapters, in accordance with the Bipartisan Infrastructure Law (BIL)/Infrastructure Investment and Jobs Act (IIJA) and Complete Streets as part of the SPR Work Program.

PROPOSED ACTIVITIES FOR 2024-2025

- Coordinate with all other branches in the Division of Planning to prepare the annual SPR Planning Work Program.
- Prepare monthly expenditure reports for each chapter of the SPR Planning Work Program.
- Coordinate and prepare the annual SPR Planning Work Program, Accomplishments, and Performance and Expenditure Report. 23 CFR 420.117.
- Kentucky Transportation Center studies, as needed. Additional studies other than those listed below will be submitted to FHWA for an eligibility review.

PRODUCTS

The Internal Customer Service Section will coordinate and prepare the annual SPR Planning Work Program and the annual SPR Planning Work Program Accomplishments and Expenditures Report. This Section will also prepare and distribute to other Branches monthly expenditure reports for all chapters in the SPR Planning Work Program.

DISTRIBUTION OF ESTIMATED COST FOR 2024-2025

PERSONNEL	\$10,000
OUTSOURCING	\$630,000
OTHER	\$212,000
TOTAL	\$852,000

ESTIMATED OUTSOURCING EXPENSES AND PURCHASES

Outsourcing

- \$630,000 for various Kentucky Transportation Center studies:
 - \$330,000 for SHIFT related studies –
 - Benefit/Cost Continuation Formula
 - Automation of Scoring Continuation
 - Maintenance and Preservation Component Improvement

CHAPTER 1

SPR Work Program

RESPONSIBLE UNIT

Division of Planning
Customer Service Branch

ESTIMATED OUTSOURCING EXPENSES AND PURCHASES (continued)

Outsourcing (continued)

- \$300,000 for other Planning Use –
 - Non-Motorized Mobility Data Collection and Improvement (\$140,000)
 - Evaluation of Streetlight Turning Movement Data (\$110,000)
 - Evaluation of Existing and Development of New ATR locations across the Commonwealth (\$50,000)
- For future SHIFT use (no funds requested):
 - Implementation of Travel Time Savings Formula (off cycle)
 - Formula Revision per input of working groups and task forces (off cycle)
 - Implementation of Crash History Formula (off cycle)
 - Examining the Statewide Economic Development Metric (off cycle)
 - Continual improvement of Asset Management Formula (off cycle)

Other

- \$212,000 for Decision Lens, a project prioritization tool to assist with SHIFT.

CHAPTER 2

Personnel Training

RESPONSIBLE UNIT

Division of Planning

PURPOSE AND SCOPE

Training is essential to the transportation program to keep pace with changing techniques and evaluate new procedures and developments as well as to help better develop the abilities of employees as they assume the vacated duties brought on through mass retirements, promotions, and transfers. This is particularly essential to the Cabinet’s programs as more efficient and detailed technical analyses and assistance are required.

PROPOSED ACTIVITIES FOR 2024-2025

An effort will be made to continue a level of staff training which will maintain the integrity of professional career development and improvement of technological skills. Such training will include, but not be limited to the following workshops, classes, and conference or like trainings. This will not include registration fees to attend annual meetings or conferences except fees for portions of such conferences that do provide eligible training. We will also provide annual in-state Traffic Count Technician Training for District personnel. Training for Highway District Office Planning personnel, ADD personnel, and MPO personnel in procedures, regulations, technical issues, etc., may also be included as necessary to provide for improved coordination and efficiency within and between the Statewide and Metropolitan planning efforts.

SEE THE FOLLOWING 3 PAGES FOR PROPOSED TRAINING AND CONFERENCES

PRODUCTS

Personnel with career development opportunities, improved technological skills, broadened knowledge, enhanced capabilities, and more efficient operation.

DISTRIBUTION OF ESTIMATED COST FOR 2024-2025

PERSONNEL	\$120,000
OTHER	\$3,000
TOTAL	\$123,000

Other

- Other Operational Cost \$3,000
For items such as travel, mileage, equipment, and other cost directly associated with the completion of this work chapter.

Chapter 2 Personnel Training

	SPR Work Program	Personnel Training	Traffic and Equipment Management	Transportation Systems	Cartography	Highway Information System	Strategic Corridor Planning	Statewide Transportation Planning	Metropolitan Planning Organizations	Performance Measures and Congestion/ Mobility Analysis	Air Quality	Multimodal Transportation	Statewide Traffic Data Forecasting and Transportation Modeling	Bicycle and Pedestrian Program	Quality Assurance
National Bike Summit														X	
GHSA Annual Meeting														X	
KBBC Annual Meeting														X	
PIARC Conference/Seminars							X								
Conference on Advancing Transportation (CATE)							X								
ARC-Network Appalachia Meetings												X			
Kentucky Trucking Association Annual Convention												X			
Tennessee-Tombigbee Waterway Annual Conference												X			
Kentucky Innovative Technology Deployment Team Annual Meeting												X			
NaTMEC Biennial Conference												X		X	
NASEO/AASHTO Midwest EV Conference											X				
NASEO/AASHTO Southeast EV Conference											X				
NASEO/AASHTO Annual Conference											X				
EV Charging Summit & Expo											X				
OTD MUG Meetings													X		

CHAPTER 3

Traffic and Equipment Management

RESPONSIBLE UNIT

Division of Planning
Traffic and Equipment Management Branch

PURPOSE AND SCOPE

The primary functions of the Traffic and Equipment Management Branch are to collect, process, and store traffic data. Traffic data is used in virtually every decision made in transportation engineering. Applications of this information include but are not limited to project/program planning, project selection, pavement design, safety analysis, capacity analysis, air quality assessment, and federal funding.

The Branch is comprised of two Sections: the Equipment Section, and the Data Section.

The Equipment Section is responsible for the procurement, distribution, operation, maintenance, and repair of all equipment used at traffic data acquisition stations. Personnel perform data collection station designs, installations, construction inspections, and maintenance at traffic data acquisition stations throughout the state. Additional duties of Equipment Section personnel include providing technical expertise and training to District personnel and performing traffic counts as necessary.

The Data Section is responsible for performing quality control, processing, and maintaining data collected from data acquisition stations located statewide. Personnel generate several different reports from said data throughout the year. These reports are prepared for the Federal Highway Administration (FHWA), Kentucky Transportation Cabinet (KYTC), Kentucky Transportation Center (KTC), various planning agencies, and other governmental agencies. Data is also made available for public consumption.

PROPOSED ACTIVITIES FOR 2024-2025

- Maintain, update, analyze, provide QA/QC, and make available data from approximately 18,500 traffic count stations including coverage, interstate, automatic traffic recorder (ATR), weigh-in-motion (WIM), ramp, and local road bridge stations.
- Download, process, and analyze data for every day of the year from approximately 98 permanent ATR stations.
- Submit monthly reports of hourly ATR records to FHWA.
- With KYTC District Offices, collect and process vehicle volume data from approximately 5,000 short-duration, portable-machine, coverage, and ramp counts.
- With KYTC District Offices, review, assign, collect, process, analyze, and distribute data from special count stations that are requested by the highway districts and other divisions. The number of special counts varies from year to year with the average being approximately 100 total, each of which typically includes multiple volume and turning movement counts.
- Concurrent with coverage, interstate, ATR, WIM, and ramp counts, collect and process vehicle classification data from approximately 1,000 stations, which complies with the FHWA, *Traffic Monitoring Guide* recommendation of 25%-30% for Minor Collectors and above.
- Provide traffic data for annual FHWA-required Highway Performance Monitoring System (HPMS) report.

CHAPTER 3

Traffic and Equipment Management

RESPONSIBLE UNIT

Division of Planning
Traffic and Equipment Management Branch

PROPOSED ACTIVITIES FOR 2024-2025 (continued)

- Update axle and monthly factors used in adjusting short-term counts from data collected at ATR and vehicle classification stations.
- Update in-house databases to include any new stations or roadway alignment changes. Correct beginning and ending mile points to better represent traffic generators.
- Collect, process, and analyze continuously collected data. Submit a minimum of one-week, WIM data from permanent WIM stations to FHWA quarterly. Periodically calibrate WIM data collection equipment as needed, to assure quality data.
- Review proper operation and coverage of ATR stations, including current study by the Kentucky Transportation Center. Install additional ATR stations as necessary. Anticipate installation of additional 10 stations in 2024-2025.
- Investigate and purchase new traffic data collection equipment to provide for safer, and more efficient and accurate methods of collection.
- Certify, repair, and maintain approximately 800 traffic data recorders.
- Inspect, repair, and maintain, where possible, approximately 585 vehicle sensor locations (~95 ATRs and ~490 semi-permanent).
- Administer contracts and provide oversight of contractor(s) for the repair and maintenance of ATR and semi-permanent vehicle sensor locations.
- Track upcoming highway projects and produce plans, specifications, and construction cost estimates for new and replacement traffic sensor installations for submittal into construction and pavement rehabilitation contracts.
- Provide construction oversight, when required, and perform final inspections of new and replacement traffic sensor installations.
- Provide contract management and oversight of consultant assisting with field data collection and other tasks. Process and provide quality assurance of the provided counts.
- Provide traffic count technician training and support, as needed.
- Work with Districts to provide a mobile application to help map and schedule their counts in more efficient way.
- Join a pooled fund study for FHWA to study possible new classification method for the next two years (\$15k per year over next two fiscal years).
- Restart equipment review team to look for possible upgrading of counting equipment utilizing demo units from manufacturers and units bought for this purpose.
- Review and analyze functionally classified local road data to validate formula used to calculate local road Daily Vehicle-Miles of Travel (DVMT).
- Provide support to Central Office and District personnel as a result of recently developed and released RoadRunner Mobile application.

CHAPTER 3

Traffic and Equipment Management

RESPONSIBLE UNITDivision of Planning
Traffic and Equipment Management Branch**PRODUCTS**

- Volume and classification data from ATR stations
- Volume, classification, and weight data from WIM stations
- Volume and classification data from short-duration machine count stations
- Volume and classification data from special counts
- Axle and monthly factors
- Databases containing traffic count station and traffic count data information
- Accurate local DVMT data for FHWA reporting through HPMS

DISTRIBUTION OF ESTIMATED COST FOR 2024-2025

PERSONNEL	\$2,647,500
OUTSOURCED PERSONNEL	\$1,015,000
OTHER	\$312,500
TOTAL	\$3,975,000

ESTIMATED OUTSOURCING EXPENSES AND PURCHASES**Outsourcing**

- \$100,000 for outsourced traffic counts to be performed by consultant under Statewide Traffic Counting contract.
- \$500,000 for traffic data collection station installation and maintenance, including at minimum six new ATR locations across the state per TMG guidelines.
- \$415,000 (of \$830,000 requested over two fiscal year period) for data collection to update the local road DVMT growth rates.

Other

- \$200,000 for purchase of new traffic data collection equipment and supplies (e.g., piezoelectric sensors, road tube, modems).
- \$100,000 Other Operational Costs for items such as travel, mileage, equipment, and other cost directly associated to the completion of this work chapter.
- \$12,500 for support of new Mobile Application.

CHAPTER 4

Transportation Systems

RESPONSIBLE UNIT

Division of Planning
Transportation Systems Branch

PURPOSE AND SCOPE

The Roadway Systems Team maintains the official Department of Highways records for the following: State Primary Road System (SPRS); Designated National Truck Network (NN); Coal Haul Highway System; and Forest Highway System. The team works with Highway District Office Planning Section (HDO) and Central Office Data Management staffs and other sources as available to track changes in roadways and highway systems, accomplish systems changes, and prepare official documents for approval. The team annually gathers and compiles source data on the transportation of coal by trucks in the Commonwealth of Kentucky to prepare the tables, maps and descriptive information published in the Coal Haul Highway System Annual Report and other coal transportation information.

PROPOSED ACTIVITIES FOR 2024-2025

- Track roadway construction or maintenance projects to identify changes in roadways and their effect on roadway system designations.
- Coordinate the two-way flow of information between the Highway District planning staffs and Central Office Transportation Systems and Data Management branch staffs regarding roadway construction and ownership status.
- Generate official documentation recommending appropriate SPRS revisions to the Commissioner of the Department of Highways for approval. (KRS 177.020 and 603 KAR 3:030)
- Ensure the SPRS reflects roadways of significance and correlates with the functional classification system and the electronic base map coverage.
- Prepare quarterly reports for publication on the internet of SPRS mileage and of the designated routes and mileage of roads in the NHS and NN systems.
- Review revisions to the SPRS to discover any modifications made necessary to other systems such as functional classification, NHS, or NN classifications.
- As requested by local public agencies or Highway Districts, coordinate review requests with Division of Maintenance and HDO's for revisions of NN. As appropriate, prepare request from Cabinet to FHWA for system revision.
- As necessary or appropriate, review interstate frontage roads. Coordinate documentation by HDOs of suitability for transfer to local government and prepare request from Cabinet to FHWA for permission to complete transfer of property to local government.
- As necessary or appropriate, prepare and submit request for approval by AASHTO Standing Committee on Highways, U.S. Route Numbering Special Committee, for any significant change to routing of a U.S. numbered highway.
- Provide all system revision information to the Data Management branch and others as appropriate.
- Compile data to provide ton-mile statistics to the Governor's Department for Local Government for coal transported on Kentucky Highways as required by KRS 177.977 and KRS 42.455.
- Publish Kentucky's Official Coal Haul Highway System Report as required by KRS 177.977 and KRS 42.455.

CHAPTER 4

Transportation Systems

RESPONSIBLE UNIT

Division of Planning
Transportation Systems Branch

PROPOSED ACTIVITIES FOR 2024-2025 (continued)

- Provide the Division of Maintenance coal haul route information for their review of bridge weight limits. Develop the update of the Extended Weight Coal and Coal By-Products Haul Road System for replacement of the current system in the Highway Information System database. Prepare the Official Order for approval of the updated Extended Weight system.
- Review and coordinate right-of-way information between the HDO staff and Central Office Transportation Systems and Division of Right-of-Way and Utilities staff regarding request for official transfers. Compile data in Project Wise.
- Compile and provide Governmental Accounting Standards Board (GASB) information on total mileage and estimate value of state roads removed from the SPRS each fiscal year to KYTC's Office of Budget and Fiscal Management.

PRODUCTS

- Official Order Changes to the State Primary Road System
- State Primary Road System Official Order Listings
- Quarterly Reports on internet: State Primary Road System Mileage, Designated National Truck Network routes and mileage
- GIS map files incorporating project design files for decision-making and use by other Branches
- Coal Haul System Report with associated maps and separate datasets to Department of Local Government, KYTC Budgets and KYTC Bridge Maintenance
- Request to FHWA for modification of National Truck Network (NN) or Official Order Change to State Designated National Truck Network
- Request to FHWA for modification of National Highway System
- Request to FHWA for permission to relinquish interstate frontage road to local government
- Request for approval by AASHTO Standing Committee on Highways, U.S. Routes Numbering Special Committee, for any significant change to routing of a U.S. numbered highway

DISTRIBUTION OF ESTIMATED COST FOR 2024-2025

PERSONNEL	\$799,000
OTHER	\$1,000
TOTAL	\$800,000

Other

- \$1,000 Other Operational Cost
For items such as travel, mileage, equipment, and other cost directly associated to the completion of this work chapter.

CHAPTER 5

Cartography

RESPONSIBLE UNIT

Division of Planning
Transportation Systems Branch

PURPOSE AND SCOPE

The Cartography Team meets the needs of the Division, Cabinet, other state agencies, and entities outside state government for general and special purpose maps. The team creates, updates, and distributes a wide variety of standard cartographic products in electronic and/or paper format. The team creates maps depicting various analyses of highway transportation data in digital and/or printed format. They also work to develop procedural and technical standards for digital mapping.

PROPOSED ACTIVITIES FOR 2024-2025

- Provide electronic mapping for all city, county, district, state, and special-purpose cartographic products.
- Maintain and publish electronic formats of cartographic products for display on the Internet.
- Update the Official State Highway Map electronic files and accomplish necessary publication. Monitor inventory at 17 locations (e.g., Welcome Centers, Rest Areas, etc.) and coordinate additional deliveries as needed.
- Create reports and exhibits for various Division projects and studies to assist transportation decision-makers in their roles.
- Provide mapping and graphic assistance to other Divisions and Departments as requested.
- Develop and provide to outside entities digital maps as requested.
- Develop and provide geographic information systems (GIS) files locating other modes of transportation.

PRODUCTS

- Official Highway Map
- State Primary Road System Maps
- Functional Classification Maps
- Other Highway Data Maps (i.e., traffic counts, NHS, NN, etc. maps)
- Cabinet and Planning Project Exhibit Maps/Displays
- GIS Analyses of various data for transportation decision-making
- General and special purpose maps as requested by other agencies
- Geographic information systems (GIS) electronic files

CHAPTER 5

Cartography

RESPONSIBLE UNIT

Division of Planning
Transportation Systems Branch

DISTRIBUTION OF ESTIMATED COST FOR 2024-2025

PERSONNEL	\$130,000
OTHER	\$200,000
TOTAL	\$330,000

ESTIMATED OUTSOURCING EXPENSES AND PURCHASES

Other

- \$199,000 for Official Highway Map Publication.
- \$1,000 Other Operational Cost
For items such as travel, mileage, equipment, and other cost directly associated to the completion of this work chapter.

CHAPTER 6

Highway Information System

RESPONSIBLE UNIT

Division of Planning
Data Management Branch

PURPOSE AND SCOPE

The Highway Information System chapter enables the Data Management Branch to oversee maintenance of the Transportation Cabinet's Highway Information System (HIS) database. This database serves as the Cabinet's storage unit for Geographic Information System (GIS) road centerlines and information about roadway characteristics, transportation systems, and roadway analysis. The branch contributes to the KYTC Asset Management program by providing an up-to-date route network of asset locations for other divisions and providing asset extraction capabilities for updates to the network. The branch uses HIS information to produce the Highway Performance Monitoring System (HPMS) data submittal required annually by the Federal Highway Administration (FHWA). The HPMS submittal is also used within the Cabinet to assist with the analysis and measurement of highway system performance. The branch regularly reviews Functional Classification with the Highway District Offices, Metropolitan Planning Organizations (MPOs), and local officials. It also coordinates all Functional Classification and National Highway System (NHS) changes associated with road changes or external entity requests. The branch provides roadway information to many areas within the Cabinet, other governmental agencies, consultants, and the public via the Division's website, the Cabinet's Transportation Enterprise Database (TED), or direct requests. To support all these functions with accurate and timely data, the branch routinely extracts and analyzes data from Computer-Aided Design (CAD) project construction plans, Cabinet Photo Van collection efforts, and on-site collection activities performed by branch staff.

PROPOSED ACTIVITIES FOR 2024-2025

- Maintain the Cabinet's GIS route network for Kentucky's public highways. Improve processes and procedures for reviewing, editing, and updating the network.
- Provide up-to-date route network locations, route lengths, and highway data for use by internal and external customers. Ensure accuracy of information provided.
- Adapt CAD project construction plans and use GIS software to generate maps for resolving road ownership and highway data questions caused by road construction impacts.
- Update the route network with newly acquired road centerline data extracted from CAD project construction plans, Global Positioning System (GPS) collection methods, and Photo Van collection methods. Update and verify roadway mileage and highway data.
- Utilize Photo Van images and data to verify accuracy and validity of route log entries, roadway features and information, and other highway data stored within HIS.
- Perform office reviews to verify HIS data meets the required standards established by this Division and FHWA.
- Assist the Division of Maintenance in the implementation of pavement performance measures reporting and analysis via HPMS.
- Assist in the implementation of national performance measures reporting and analysis in accordance with federal legislation, regulations, policies, and/or guidelines.
- Provide guidance to Cabinet leadership and the Office of Information Technology (OIT) regarding availability and appropriateness of highway data as it relates to the redevelopment of the Cabinet's SYP database.

CHAPTER 6

Highway Information System

RESPONSIBLE UNIT

Division of Planning
Data Management Branch

PROPOSED ACTIVITIES FOR 2024-2025 (continued)

- Develop appropriate Cabinet sources for providing data screening methods used in the assembly of the Cabinet's Highway Plan. Modify HIS data collection, storage, and analysis processes as needed to satisfy Highway Plan assembly requirements.
- Assist with analyses of highway system performance and the Unscheduled Projects List. Provide an up-to-date route network for locating Unscheduled Projects.
- Update Rating Indices, Capacities, and Volume/Service Flow ratios in the HIS database and distribute to customers.
- Improve production methods used to calculate Rating Indices, Capacities, and Volume/Service Flow ratios.
- Quarterly meeting with FHWA. Process and submit annual HPMS report.
- Improve HPMS submittal production methods. Investigate results of HPMS report and analyze potential process changes to improve submittal.
- Maintain currency of HPMS software and update procedures as required by federal legislation, regulations, policies, and/or guidelines.
- Coordinate with other Cabinet Divisions regarding their asset management needs. Assist with Cabinet-wide asset management data collection and data dissemination.
- Work with OIT to maintain the most current version of the HIS database. Perform acceptance testing and help deploy upgrades to other data owners within the Cabinet.
- Work with OIT to improve HIS data exchange with TED and other Cabinet databases.
- Review Functional Classification in cooperation with Highway Districts and MPO's. Review Functional Classification change requests from Highway Districts and other external entities.
- Coordinate changes to the NHS and Strategic Highway Network following proper procedures for approval from FHWA and the Department Of Defense.
- Process Superload route network changes to support the Department of Vehicle Regulation's overweight/over-dimensional permitting procedures.

PRODUCTS

- HPMS Interstate Data Submittal by April 15
- Certification of Public Road Mileage by June 15
- HPMS Non-Interstate Data Submittal by June 15
- HPMS Travel Time Metric (TTM) by June 15
- Weekly snapshots of HIS route network and highway data
- Up-to-date and accurate route network locations, route lengths, and highway data to support Cabinet Performance Measures and Asset Management activities
- Maps for resolving road ownership and highway data questions caused by road construction
- Official Cabinet Route Logs
- Unscheduled Project locations and Highway Plan data screening outputs
- Rating Indices, Capacities, and Volume/Service Flow ratios

CHAPTER 6

Highway Information System

RESPONSIBLE UNIT

Division of Planning
Data Management Branch

PRODUCTS (continued)

- Route network and highway data Change Reports reflecting HIS processing activities
- Queries and routines for quality control of HIS data
- Functional Classification change requests

DISTRIBUTION OF ESTIMATED COST FOR 2024-2025

PERSONNEL	\$950,000
OUTSOURCING	\$570,000
OTHER	\$60,000
TOTAL	\$1,580,000

ESTIMATED OUTSOURCING EXPENSES AND PURCHASES

Outsourcing

- \$200,000 for Local Road Centerline collection with all the 15 Area Development Districts, with contracts less than \$100,000 for each
- \$20,000 for data research and analysis projects
- \$50,000 for database development and enhancement projects
- \$75,000 for IT database support
- \$5,000 for special roadway data collection projects
- \$220,000 for production of two FHWA 536 Reports (two reports in FY 2025, to get on yearly cycle); \$115,000 for each subsequent year.

Other

- \$50,000 for Asset Management Data Collection (Photo Van Operation)
- \$5,000 for data expansion, improvement, and maintenance
- \$5,000 for Other Operational Costs
For items such as travel, mileage, equipment, and other costs directly associated to the completion of this work chapter

CHAPTER 7

Strategic Corridor Planning

RESPONSIBLE UNIT

Division of Planning
Strategic Planning Branch
Strategic Corridor Planning Team

PURPOSE AND SCOPE

The Strategic Corridor Planning Team evaluates system and corridor needs for state-maintained and some local-maintained roadways. They enhance and continue to update scoring processes for prioritizing projects considered for inclusion in the Six-Year Highway Plan using SHIFT (Strategic Highway Investment Formula for Tomorrow). The Team also conducts technical project studies. These range from large statewide studies to Data Needs Analysis (DNA) studies which perform the baseline levels of planning to develop a conceptual and draft purpose and need statement, identify major environmental issues including environmental justice, and initiate engagement with local officials, agency coordination, and conduct appropriate levels of public involvement. The Team identifies and evaluates improvement concepts, generates project cost estimates, and recommends phasing priorities where appropriate. Meaningful long-range planning and visioning of corridors of regional and statewide significance is a priority through the recently completed Statewide Corridor and Statewide Long-Range Transportation Plans and the ongoing Statewide Interstate/Parkway Plan. Complete Streets, Roads, and Highways are also an important component in the SHIFT process and consideration in the study process. The team oversees outsourced activities and works with the Highway District Offices (HDOs), Metropolitan Planning Organizations (MPOs), and Area Development Districts (ADDs) as needed to complete necessary tasks. Through analysis of data, sustainable and fundable projects will be identified.

PROPOSED ACTIVITIES FOR 2024-2025

- Continue to develop and update policy and procedures for evaluating transportation needs.
- Conduct corridor, system, small urban area, district- and state-wide connectivity and accessibility, data needs analyses (DNA), and other studies.
- Oversee outsourced activities and respond to inquiries about corridor planning issues.
- Identify, evaluate, and prioritize corridor, system, and small urban area needs through data analysis and public involvement.
- Continue to refine evaluation measures as an element of SHIFT 2026 to score and prioritize sponsored projects from HDOs, MPOs, and ADDs for programming in the Governor's Recommended Highway Plan. Encourage Legislative Outreach Programs for District SHIFT-priority projects.
- Oversee a small proposal-based program to assist communities in creating a vision and action plan to transform a small area, considering desired changes to land use and a supporting transportation system.
- Participate on interdisciplinary project teams to support effective project scoping activities through Preliminary Line & Grade (PL&G).
- Contribute to and/or chair various research Study Advisory Committees (SACs).
- Participate on national and international committees, including for AASHTO, TRB, and PIARC.

CHAPTER 7

Strategic Corridor Planning

RESPONSIBLE UNIT

Division of Planning
Strategic Planning Branch
Strategic Corridor Planning Team

PRODUCTS BEGUN IN PREVIOUS FISCAL YEARS⁺

⁺Product’s primary focus is Complete Streets

• **Interstate/Parkway Plan**

<u>County(ies)</u>	<u>Route</u>	<u>% Activity in FY 2025</u>	<u>Funding</u>
Statewide	Various	To completion	SPR

• **Review and Compilation of Kentucky’s Scenic Byways**

<u>County(ies)</u>	<u>Route</u>	<u>% Activity in FY 2025</u>	<u>Funding</u>
Statewide	Various	To completion	SPR

• **Rockfall and Road Slide Mitigation Study**

<u>County(ies)</u>	<u>Route</u>	<u>% Activity in FY 2025</u>	<u>Funding</u>
All D10 Counties	Various	To completion	SPR (10-188.00)

• **Corridor and Scoping Studies**

<u>County(ies)</u>	<u>Route</u>	<u>% Activity in FY 2025</u>	<u>Funding</u>
Ballard	US 60	To completion	1-80250.00
Ballard, Carlisle, Fulton, Hickman	US 51	To completion	SPR
Boone	I-75, I-71, US 25, KY 14, KY 16	To completion	6-80.00 6-80205.00 6-80212.00 6-80213.00 6-80215.00
Boyd ⁺	KY 168	To completion	9-125.00
Boyd ⁺	KY 716	To completion	9-180.00
Boyle, Lincoln	US 150, US 150B	To completion	SPR

CHAPTER 7

Strategic Corridor Planning

RESPONSIBLE UNIT

Division of Planning
 Strategic Planning Branch
 Strategic Corridor Planning Team

PRODUCTS BEGUN IN PREVIOUS FISCAL YEARS (continued)

<u>County(ies)</u>	<u>Route</u>	<u>% Activity in FY 2025</u>	<u>Funding</u>
Christian	KY 115	To completion	2-10.00
Fayette	I-75	To completion	7-264.00
Fayette, Jessamine ⁺	US 27	To completion	SPR/PL (7-453.00) (\$250,000/\$250,000)
Jackson	KY 290	To completion	11-80212.00
Johnson, Magoffin	US 460	To completion	10-80101.00
Kenton ⁺	KY 17	To completion	PL (6-377.00)
Laurel ⁺	US 25	To completion	SPR (11-181.00) (\$185,000)
Monroe	KY 214	To completion	3-80200.00
Nicholas	KY 32	To completion	9-8812.00
Powell	KY 11	To completion	10-80250.00
Pendleton	KY 177	To completion	6-80258.00

- **Small Urban Area (SUA) Studies**

<u>County(ies)</u>	<u>Small Urban Area</u>	<u>% Activity in FY 2025</u>	<u>Funding</u>
Madison ⁺	West Richmond	To completion	7-80210.00
Simpson ⁺	Franklin	To completion	SPR (\$200,000)

- **Creating Vibrant Communities Technical Assistance Program**

<u>County(ies)</u>	<u>Route</u>	<u>% Activity in FY 2025</u>	<u>Funding</u>
Various ⁺	Various	To completion	SPR (\$300,000)

CHAPTER 7

Strategic Corridor Planning

RESPONSIBLE UNIT

Division of Planning
Strategic Planning Branch
Strategic Corridor Planning Team

PRODUCTS THROUGH VARIOUS GRANT AGREEMENTS⁺

⁺Product’s primary focus is Complete Streets

These products were awarded by the United States Department of Transportation (USDOT) to the Kentucky Transportation Cabinet.

• **Reconnecting Communities Pilot Program**

<u>City(ies) or County(ies)</u>	<u>Route</u>	<u>% Activity in FY 2025</u>	<u>Funding</u>
City of Frankfort ⁺	US 60	To completion	5-3043.00

PRODUCTS LISTED IN THE BIENNIUM OF *KENTUCKY’S FY 2024 – FY 2030 ENACTED HIGHWAY PLAN*⁺

⁺Product’s primary focus is Complete Streets

These potential products have been identified by Kentucky’s Legislature in the budgeted biennium of *Kentucky’s FY 2024 FY 2030 Highway Plan*, and may be undertaken pending funding availability, contracting authority, and other budgeted needs. Members of the Strategic Corridor Planning Team may serve as co-project manager for these studies.

• **Corridor and Scoping Studies**

<u>County(ies)</u>	<u>Route</u>	<u>% Activity in FY 2025</u>	<u>Funding</u>
Bullitt	KY 61	1%	5-80100.00 5-80357.00
Bullitt	KY 1526	1%	5-80339.00
Caldwell	I-24	1%	1-11.00
Campbell	I-471	1%	6-23.00
Campbell	I-471	1%	6-79.00
Fayette ⁺	KY 1425	1%	7-80207.00
Fayette	KY 4	1%	7-80304.00
Franklin ⁺	US 127	1%	5-80201.00

CHAPTER 7

Strategic Corridor Planning

RESPONSIBLE UNIT

Division of Planning
 Strategic Planning Branch
 Strategic Corridor Planning Team

**PRODUCTS LISTED IN THE BIENNIUM OF *KENTUCKY'S FY 2024 – FY 2030*
ENACTED HIGHWAY PLAN (continued)**

<u>County(ies)</u>	<u>Route</u>	<u>% Activity in FY 2025</u>	<u>Funding</u>
Henry	KY 389	1%	5-8822.00
Jefferson	I-65	1%	5-560.00
Jefferson ⁺	US 31E	1%	5-80300.00
Jefferson ⁺	US 31W	1%	5-80302.00
Jefferson ⁺	CR 1001	1%	5-80306.00
Jefferson	I-65	1%	5-80328.00
Jefferson ⁺	KY 3222	1%	5-80330.00
Jefferson ⁺	KY 1934	1%	5-80341.00
Jefferson ⁺	KY 3082	1%	5-80353.00
Johnson	KY 172	1%	12-171.00
Leslie	KY 257	1%	11-80305.00
Lincoln	KY 300	1%	8-80202.00
Madison	KY 21	1%	7-80356.00
McCracken	I-24	1%	1-80305.00
Oldham ⁺	KY 146	1%	5-80210.00
Oldham ⁺	KY 362	1%	5-80314.00
Oldham ⁺	KY 146	1%	5-80325.00
Rockcastle	US 25	1%	8-80305.00
Rowan	KY 801	1%	9-234.00

CHAPTER 7

Strategic Corridor Planning

RESPONSIBLE UNIT

Division of Planning
Strategic Planning Branch
Strategic Corridor Planning Team

PRODUCTS LISTED IN THE BIENNIUM OF *KENTUCKY'S FY 2024 – FY 2030 ENACTED HIGHWAY PLAN* (continued)

<u>County(ies)</u>	<u>Route</u>	<u>% Activity in FY 2025</u>	<u>Funding</u>
Shelby	KY 55	1%	5-80308.00
Trigg	KY 139	1%	1-147.00
Trigg	KY 276	1%	1-80318.00
Warren	KY 3145	1%	3-80326.00
Wayne	KY 1765	1%	8-80308.00

PRODUCTS IDENTIFIED FOR POTENTIAL FUNDING⁺

⁺Product's primary focus is Complete Streets

These potential products have been identified via a data-driven process for funding in FY 2025, pending contracting authority and other budgeted needs.

• **Metropolitan Transportation Plan**

<u>MPO</u>	<u>% Activity in FY 2025</u>	<u>Funding</u>
Paducah-McCracken County	To completion	PL

• **Corridor and Scoping Studies**

<u>County(ies)</u>	<u>Route</u>	<u>% Activity in FY 2025</u>	<u>Funding</u>
Daviess	I-165	70%	PL
All D10 Counties ⁺	Various Intersections	1%	SPR (\$250,000)
Breathitt, Knott	KY 15	1%	SPR
Boone	KY 14	1%	SPR
Campbell	KY 547	1%	SPR

CHAPTER 7

Strategic Corridor Planning

RESPONSIBLE UNIT

Division of Planning
 Strategic Planning Branch
 Strategic Corridor Planning Team

PRODUCTS IDENTIFIED FOR POTENTIAL FUNDING (continued)

<u>County(ies)</u>	<u>Route</u>	<u>% Activity in FY 2025</u>	<u>Funding</u>
Campbell ⁺	KY 1892	1%	SPR (\$250,000)
Fayette ⁺	US 27	1%	SPR (\$300,000)
Floyd	KY 680	1%	SPR (12-165.00)
Garrard	US 27	1%	SPR
Henry	KY 389	1%	SPR
Kenton ⁺	KY 1120	1%	SPR (\$150,000)
Knott, Letcher, Perry	KY 15	1%	SPR (12-159.00)
Lawrence	KY 32	1%	SPR
Magoffin, Morgan	US 460	1%	SPR
Meade	KY 313	1%	SPR
Muhlenberg	KY 1031	1%	SPR
Nelson ⁺	KY 245	1%	SPR (\$250,000)
Perry	New Route	1%	SPR
Pike	KY 292	1%	SPR (12-1129.00)
Pike	KY 195	1%	SPR
Taylor ⁺	KY 210	1%	SPR (\$250,000)

CHAPTER 7

Strategic Corridor Planning

RESPONSIBLE UNIT

Division of Planning
Strategic Planning Branch
Strategic Corridor Planning Team

PRODUCTS IDENTIFIED FOR POTENTIAL FUNDING (continued)

<u>County(ies)</u>	<u>Route</u>	<u>% Activity in FY 2025</u>	<u>Funding</u>
Trimble	KY 36	1%	SPR
Warren	I-65	1%	SPR
Woodford ⁺	US 60X	1%	SPR (\$150,000)

• **Small Urban Area (SUA) Studies**

<u>County(ies)</u>	<u>Small Urban Area</u>	<u>% Activity in FY 2025</u>	<u>Funding</u>
Clark ⁺	Winchester	1%	SPR (\$200,000)
Scott ⁺	Georgetown	1%	SPR (\$200,000)
Shelby ⁺	Shelbyville	1%	SPR (\$200,000)
Pulaski ⁺	Somerset	1%	SPR (\$200,000)
Oldham ⁺	LaGrange	1%	SPR (\$200,000)
Hopkins ⁺	Madisonville	1%	SPR (\$200,000)

• **Creating Vibrant Communities Technical Assistance Program**

<u>County(ies)</u>	<u>Route</u>	<u>% Activity in FY 2025</u>	<u>Funding</u>
Various ⁺	Various	30%	SPR (\$300,000)

CHAPTER 7

Strategic Corridor Planning

RESPONSIBLE UNIT

Division of Planning
Strategic Planning Branch
Strategic Corridor Planning Team

- **Data Needs Analysis (DNA) Studies**
Prior to Advertisement, a DNA study will be completed for all projects in the Highway Plan that have not been the subject of a planning study.
- Priorities for Highway Plan Programming that are sustainable and fundable.

DISTRIBUTION OF ESTIMATED COST FOR 2024-2025

PERSONNEL	\$1,625,000
OUTSOURCED PERSONNEL	\$1,845,000
OTHER	\$30,000
TOTAL	\$3,500,000

ESTIMATED OUTSOURCING EXPENSES AND PURCHASES

Outsourcing

- \$1,845,000 to outsource for planning and scoping studies
Additional SPR-funded studies may be added as needs arise. New studies will be submitted for eligibility review prior to funding.

Other

- \$25,000 for MetroQuest (Public Outreach) license
- \$5,000 Other Operational Cost
For items such as travel, mileage, equipment, and other cost directly associated to the completion of this work chapter.

CHAPTER 8

Statewide Transportation Planning

RESPONSIBLE UNIT

Division of Planning
Strategic Planning Branch
Statewide Planning Team

PURPOSE AND SCOPE

The Statewide Planning Team conducts a comprehensive statewide transportation planning process with the Area Development Districts (ADDs), Metropolitan Planning Organizations (MPOs), and the Highway District Offices (HDOs). This process includes consideration of all modes and the development of a policy driven and data-based approach for the identification, analysis, and prioritization of needs in accordance with BIL/IIJA requirements. The team also updates the Public Involvement Plan (PIP) and Long-Range Statewide Transportation Plan (LRSTP) as needed and ensures that the PIP, LRSTP, and the Statewide Program are BIL/IIJA compliant. This team coordinates directly with the ADDs for their assistance through various services in support of the KYTC Statewide and Regional planning processes. Through these processes and partnerships, this team provides meaningful input to the Draft Recommended Highway Plan that includes but is not limited to the following: Continuous Highway Analysis Framework (CHAF) database, Strategic Highway Investment Formula for Tomorrow (SHIFT) prioritization process, and Complete Streets as a part of the BIL/IIJA compliance, where appropriate.

PROPOSED ACTIVITIES FOR 2024-2025

KYTC Activities:

- Review and update the Transportation Cabinet Strategic Plan as needed.
- Implement recommendations from the 2022-2045 Kentucky LRSTP.
- Review and update the Public Involvement Process (23 CFR 450.210) as needed. Develop and implement processes as needed to ensure BIL/IIJA compliance.
- Coordinate with other transportation modes, Land Management Agencies, environmental, and other resource agencies as needed.
- Enhance the statewide transportation planning process by including data collection and analysis, public involvement, and coordination.
- Recommend sustainable and fundable projects as part of the prioritization process through performance-based planning.
- Assist in the development of the Governor's Recommended Highway Plan including update of project scoring, prioritization processes, and other methods as needed.
- Maintain and oversee further development of the Continuous Highway Analysis Framework (CHAF) database, a tool used in project prioritization and analysis.
- Compile and maintain Prioritization Plans that summarize the methodology and decision-making behind the prioritization process known as SHIFT.
- Coordinate with other Divisions, HDOs, and Agencies and incorporate applicable plans as necessary to ensure compliance with BIL/IIJA.
- Coordinate with and assist the HDOs as needed during the Prioritization Process.
- Coordinate and oversee the ADD Regional Transportation Program.

CHAPTER 8

Statewide Transportation Planning

RESPONSIBLE UNIT

Division of Planning
Strategic Planning Branch
Statewide Planning Team

PROPOSED ACTIVITIES FOR 2024-2025 (continued)

ADDs Activities (assisting KYTC):

- Review and update Area Development District Regional Transportation Planning Annual Work Program and Contracts to include allocation of staff, staff time, and timeline for task completion
- Participate in an Annual Assessment Review to evaluate ADD performance
- Update Bicycle and Pedestrian Asset database
- Coordinate and note speaking engagements with other Planning Agencies and Groups
- Coordinate Regional Transportation Committee (RTC) Meetings
- Review Regional Goals and Objectives
- Review RTC Bylaws and maintain Membership List
- Plan RTC activities
- Lead KYTC Statewide Transportation Planning Meetings and attend other approved training
- Maintain and update List of Rail Freight Loading/Unloading locations
- Perform socioeconomic updates
- Maintain a Public Involvement Process
- Review and update project information in the CHAF database
- Maintain and provide a List of Contacts
- Assist KYTC as needed on special projects
- Perform regional data collection and/or analysis (as needed)
- Conduct a major update to the following in this fiscal year:
 - NHS Intermodal Connectors
 - KY Highway Freight Network
 - Major Freight Users and Major Traffic Generators

PRODUCTS

KYTC Products:

- LRSTP review and update with demographic component and report, LRSTP Initial Public Outreach Survey Report, LRSTP Draft Survey Report (as needed)
- Transportation Cabinet Strategic Plan Update (as needed)
- Maintain CHAF database
- Annual Work Programs (AWP) and Contracts for 15 Area Development Districts
- Quarterly Statewide Transportation Planning Meetings
- Annual Individual ADD Planner Assessments (15 ADDs)
- Public Involvement Plan (PIP) Update (as needed)
- Prioritization Plans, Statewide & Regional SHIFT Process and data that support the Governor's Recommended Highway Plan
- Annual Performance and Expenditure Report. 23 CFR 420.117
- Rural Consultation Report (CFR 450.210b requires every 5 years; next submittal due by February 16, 2026)

CHAPTER 8

Statewide Transportation Planning

RESPONSIBLE UNIT

Division of Planning
Strategic Planning Branch
Statewide Planning Team

PRODUCTS (continued)

ADDs Products (assisting KYTC):

- Regional Goals and Objectives Update
- AWP Timeline
- Allocation of Resources (staff, salary, percent time charged, and percent overhead/administrative charges)
- Annual Assessment Results
- Quarterly Progress Report
- RTC Agenda, Meeting Minutes, Bylaws and Committee Activities Plan
- Projected Training List
- Public Involvement Plan
- Socioeconomic Profiles
- Socioeconomic Studies (upon request)
- List of Resources
- Materials for Special Studies (as needed)
- List of Rail Freight Loading/Unloading Locations
- Regional data collected and/or analyzed (as needed)
- Provide the following major updates this fiscal year:
 - NHS Intermodal Connectors
 - KY Highway Freight Network
 - Major Freight Users and Major Traffic Generators

DISTRIBUTION OF ESTIMATED COST FOR 2024-2025

PERSONNEL	\$1,947,000
OTHER	\$53,000
TOTAL	\$2,000,000

ESTIMATED OUTSOURCING EXPENSES AND PURCHASES

Other

- \$45,000 for Economic Model License
- \$5,000 Public Outreach efforts
- \$3,000 Operational Costs for items such as travel, mileage, equipment, and other costs directly associated with the completion and/or implementation of this work chapter.

CHAPTER 9

Metropolitan Planning Organizations
(Areas over 50,000 Population)

RESPONSIBLE UNIT

Division of Planning
Strategic Planning Branch
MPO Team

PURPOSE AND SCOPE

The MPO Team provides technical assistance to and coordination with the Metropolitan Planning Organizations (MPOs) for developing and maintaining a continuing, cooperative, and comprehensive (3C) transportation planning process in each of the urbanized areas. This process ensures that state and local transportation projects remain eligible to receive federal funding. Specific planning activities to be conducted in each MPO area are outlined in the MPOs' Unified Planning Work Programs (UPWPs).

PROPOSED ACTIVITIES FOR 2024-2025

- Draft and administer contracts with MPOs and Local Public Agencies (LPAs), providing oversight for federal funds.
- Provide technical assistance, oversight, and review of MPO activities, programs, documents, models, and tools, promote planning processes in each MPO area that are consistent with current federal regulations, and coordinate with MPOs and other agencies on air quality issues as needed.
- Represent the Cabinet at technical, policy, and other committee meetings, and at certification reviews.
- Work with the MPOs, Highway District Offices (HDOs), other agencies, and representatives of various modes of transportation, to include the KYTC Office of Transportation Delivery (OTD), to collect data and identify needs (including connectivity gaps in access to essential services such as housing, employment, health care, education, and recreation). Identify projects to address those needs, identify funding sources, and evaluate and rank projects, encouraging consistency between local, regional, and state plans and programs, and across various modes of transportation. Develop and improve methods for project identification, evaluation, and ranking as needed.
- Participate in planning studies affecting the metropolitan planning areas, including planning studies for rural and small urban areas near metropolitan planning area boundaries.
- Prepare for afternoon sessions of quarterly Statewide Transportation Planning meetings with MPOs, to include discussions on current metropolitan planning issues.
- Collaborate with representatives of neighboring MPOs and transportation agencies to promote consistency in performance measures, performance targets, data collection and analyses, and transportation plans and programs within multi-state MPOs and between adjacent MPOs, as applicable.
- Develop and update metropolitan planning agreements and performance-based planning procedures, as needed.
- Submit MPO amendments and administrative modifications to Program Management for processing.

CHAPTER 9

Metropolitan Planning Organizations
(Areas over 50,000 Population)

RESPONSIBLE UNIT

Division of Planning
Strategic Planning Branch
MPO Team

PRODUCTS

- Contracts with ten MPOs and other LPAs to carry out planning activities in the metropolitan planning areas.
- PL Formula Distribution Letter/E-mail to FHWA after agreement from MPOs.
- Special studies as needed.

DISTRIBUTION OF ESTIMATED COST FOR 2024-2025

PERSONNEL	\$765,000
OUTSOURCED PERSONNEL	\$5,000
OTHER	\$5,000
TOTAL	\$775,000

ESTIMATED OUTSOURCING EXPENSES AND PURCHASES

Outsourcing

- \$5,000 various studies, as needed.
All studies will be submitted for eligibility review prior to funding.

Other

- \$5,000 Other Operational Cost
For items such as travel, mileage, equipment, and other cost directly associated to the completion of this work chapter.

CHAPTER 10

Performance Measures and Congestion/Mobility Analysis

RESPONSIBLE UNIT

Division of Planning
Multimodal Programs Branch

PURPOSE AND SCOPE

States are required to calculate and report performance measures/targets for the Interstate and non-Interstate National Highway System (NHS) for the purpose of carrying out the National Highway Performance Program (NHPP). The Multimodal Programs Team is responsible for NHPP areas related to system performance and traffic congestion, and freight movement. The analysis includes adopting performance measurements to comply with the final rule.

To assist in calculation of performance measures, KYTC participates in the MASTER pooled fund study to track and guide the mobility measure research. Kentucky also participates in the pooled fund study led by the AASHTO Transportation Performance Management program: Deep-Dive PM3 Planning Analytics and/or Customized Implementation Support and Web Portals.

PROPOSED ACTIVITIES FOR 2024-2025

Using the National Performance Management Research Data Set (NPMRDS) provided by FHWA, available traffic counts, and the final NPRM Rule from 23 CFR Part 490, the Division of Planning calculates performance measures and performance targets for the following categories:

System Performance

- Calculate the Level of Travel Time Reliability (LOTTTR) for four different travel time periods as a percent of the person-miles traveled on the interstate system and on the non-interstate NHS system statewide using NPMRDS. Track progress and set targets.

Freight

- Measure Freight Reliability as a Truck Travel Time Reliability index (TTTR) for five different travel time periods using truck travel times from the NPMRDS on the Interstate system. Track progress and set targets.

Congestion Mitigation (CM)

- Assist MPO's with a population greater than 200,000 (effective January 1, 2022) as a Transportation Management Area (TMA) to estimate Annual Hours of Peak Hour Excessive Delay for the hours of 4:00 PM to 8:00 PM using NPMRDS.
- Estimate the Percent of Non-Single Occupant Vehicle Travel (Non-SOV) based upon the American Community Survey data maintained by FHWA. Track progress and set targets.

SHIFT Performance Data

KYTC partners with the Kentucky Transportation Center to develop new ways to utilize non-NPMRDS speed data for the next SHIFT cycle.

- Process, and maintain non-NPMRDS travel time and speed data purchased previously.
- Work with the Kentucky Transportation Center to linear reference non-NPMRDS data with Kentucky's HIS system.
- Work with the Kentucky Transportation Center to refine and use the data to calibrate and update the HERS (Highway Economic Requirement System) model and calculate relevant portions of the SHIFT congestion measure.

CHAPTER 10

Performance Measures and Congestion/Mobility Analysis

RESPONSIBLE UNIT

Division of Planning
Multimodal Programs Branch

PROPOSED ACTIVITIES FOR 2024-2025 (continued)

Maintenance and Distribution of Data

- Participate in AASHTO TPM program to acquire NPMRDS data, keep server current, and assist in implementing improved data locations. Check changes in network bi-annually.
- Participate in the MASTER pooled fund study, share synthesis paper of research affecting measuring mobility, working with travel time data, and compliance with BIL/IIJA Performance Measures.
- Participate in Performance Measure educational opportunities including monthly webinars, as available.

PRODUCTS

- Annual percent of the person-miles traveled on the Interstate System providing for Reliable Travel.
- Annual percent of the person-miles traveled on the non-Interstate NHS providing for Reliable Travel.
- Annual Truck Travel-time Reliability factor for the Interstate System.
- Annual percent of the Interstate System in urbanized areas with a population over 1 million, where person hours of excess delay occur.
- Investigate what level the travel time data can be shared with KYTC staff, partners, and public.
- Incorporate necessary findings from AASHTO Census Transportation Solutions.
- Reports and targets as specified in the final PM3 rulemaking.
- Submit PM3 results for inclusion with annual HPMS reports.

DISTRIBUTION OF ESTIMATED COST FOR 2024-2025

PERSONNEL	\$12,000
OUTSOURCED PERSONNEL	\$152,000
OTHER	\$26,000
TOTAL	\$190,000

CHAPTER 10

Performance Measures and Congestion/Mobility Analysis

RESPONSIBLE UNIT

Division of Planning
Multimodal Programs Branch

ESTIMATED OUTSOURCING EXPENSES AND PURCHASES

Outsourcing

- \$82,000 for Kentucky Transportation Center to process HERE Data and conflation of HERE data to the HIS network.
- \$70,000 for purchase of HERE Data for Congestion Performance Measures.

Other

- \$25,000 for AASHTO Census Transportation Solutions (per year, from FY 2025 – FY 2029)
- \$1,000 Other Operational Costs
For items such as travel, mileage, equipment, and other cost directly associated to the completion of this work chapter.

Non-Work-Program Expenses*

- \$35,000 for Mobility Analysis and System Transportation Efficiency Research (MASTER) pooled-fund study.
- \$41,300 for participation in the AASHTO TPM study to acquire new NPMRDS data and produce PM3 reports.

* Expenses paid via KYTC Research Arm/Innovation Engineer

CHAPTER 11

Air Quality

RESPONSIBLE UNIT

Division of Planning
Multimodal Programs Branch

PURPOSE AND SCOPE

The Air Quality Team coordinates and performs analyses necessary to determine regional air quality conformity. The team assists in the development of regulations, guidance, and best practices to ensure compliance with federal regulations and deliver transportation projects within designated nonattainment and maintenance areas. The team communicates and coordinates with KYTC Offices and partner Cabinets as needed.

PROPOSED ACTIVITIES FOR 2024-2025

- Perform Regional Air Quality (AQ) Conformity Analysis for metropolitan and rural areas as needed.
- Monitor AQ data submissions to other agencies – Federal, state, local, and academic research.
- Provide Kentucky transportation-related data to KY Energy and Environment Cabinet – Division for Air Quality (EEC-DAQ). Data is commonly used for the development of the State Implementation Plans (SIPs) for AQ nonattainment and maintenance areas.
- Review, comment, and participate during the preparation of Motor Vehicle Emission Budgets (MVEBs) for the development of SIPs, SIP amendments, conformity/maintenance demonstrations, and budget adjustments.
- Work with KYTC-OIT to develop annual updates to the Kentucky VIN/Fleet registration age/type distribution data for use with MOVES and Electric Vehicles (EV). Explore incorporation of other useful datasets and see if upgrades to in-house decoder is needed.
- Maintain expertise in MOVES4 (or current AQ model). Perform the emissions model analysis for ozone and PM_{2.5} regional conformity analyses. and Green House Gases (GHGs) as needed.
- Prepare Cabinet responses to citizen/agency inquiries for signature by Governor, Secretary, or Director.
- Attend necessary meetings and conferences to stay abreast of AQ issues.
- Monitor changes and maintain a clearinghouse of knowledge for the Division/Cabinet concerning AQ regulations. Maintain a working knowledge of the National Ambient Air Quality Standard (NAAQS) for current standards including the 8-hour ozone and PM_{2.5} standards, air quality regulations, and implementation guidance.
- Inform KYTC staff, KYTC management, partner cabinets, MPOs, ADDs, public officials, and the public about air quality, conformity analysis, federal guidelines, and new developments regarding greenhouse gas/climate change requirements. Disseminate information about same.
- Educate local governments regarding transportation impacts after adoption of new NAAQS.
- Implement significant update to AQ Website.
- Develop and maintain a KYTC AQ email listserv.
- Participate and/or facilitate monthly AQ conference calls and quarterly meetings. This includes participating in interagency consultation calls regarding transportation conformity for updates and amendments to MTPs, SIPs, TIPs, and STIPs.

CHAPTER 11

Air Quality

RESPONSIBLE UNIT

Division of Planning
Multimodal Programs Branch

PROPOSED ACTIVITIES FOR 2024-2025 (continued)

- Assist with new programs as required by latest Transportation Bills passed by Congress (Bipartisan Infrastructure Law (BIL)), Clean Air Act Amendment (CAAA), NAAQS, and other federal, state, or local legislation.
- Coordinate with team members (travel demand modelers) to ensure all AQ TDM model data is ready for MOVES use.
- Assist with Performance Measures as it pertains to AQ.
- Maintain Park-n-Ride database for citizen/agency inquiries.
- Develop and submit annual Alternative Fuel Corridor (AFC) application, requiring both internal and external coordination of state and local agencies.
- Develop and maintain working knowledge of quickly changing performance measures required by BIL and potential AQ impacts.
- Coordinate special AQ/MOVES training when needed.
- Provide support to the KYTC Office of Local Programs and local agencies for Congestion Management and Air Quality (CMAQ) related issues, as requested. Assist District, ADD, MPO, and local government offices with the preparation of CMAQ applications including emission calculations and documentation.
- Participate in Congestion Management, Mobility, Speed, VMT, Green Initiatives, and Safety teams as needed.
- Assist with performance related AQ measures, as needed.
- Manage National Electric Vehicle Infrastructure (NEVI) Formula Fund Program.
- Manage Carbon Reduction Strategy development for the Carbon Reduction Program (CRP).
- Update the KY EV Infrastructure Deployment Plan (EVIDP) through duration of NEVI Program, requiring extensive stakeholder outreach, as needed.
- Lead and participate on national, state, and local levels to present updates on NEVI, AFCs and EVIDP for conferences, trainings, and meetings. Develop and maintain an EV Stakeholder listserv.
- Maintain EV Website.
- Manage and oversee construction of EV Charging sites by developers from groundbreakings to operational.
- Oversee outreach across the state as KYTC prepares for post NEVI buildout approval to target non-AFCs (Phase 2) and local communities of destination charging (Phase 3).
- Monitor changes and maintain a clearinghouse of EV knowledge.
- Other duties and special projects as assigned.

PRODUCTS

- Ozone and PM_{2.5} regional conformity analysis as required for projects in nonattainment and maintenance areas.
- Assist SPAC Branch as needed for statewide and planning documents.
- AQ Data to DAQ or other agencies as requested.
- Emission calculations for CMAQ applications and GHGs as requested.

CHAPTER 11

Air Quality

RESPONSIBLE UNIT

Division of Planning
Multimodal Programs Branch

PRODUCTS (continued)

- VIN/Fleet data for use with MOVES and EV.
- KYTC AQ website.
- Performance measures pertaining to AQ.
- New PM_{2.5} and Ozone NAAQS.
- Annual Alternative Fuel Corridor Application to FHWA.
- Annual update to EVIDP Plan
- Manage and oversee construction of EV Charging Sites
- Manage outreach for NEVI post buildout approval (Phases 2 and 3)
- Oversee and distribute \$69 million over 5-year period (FY 2022 – FY 2026).
- Updated KY EV Infrastructure Deployment Plan to Joint Office (FHWA).
- Carbon Reduction Strategy.
- KYTC EV Website.
- Park-n-Ride database.

DISTRIBUTION OF ESTIMATED COST FOR 2024-2025

PERSONNEL	\$148,000
OTHER	\$2,000
TOTAL	\$150,000

Other

- \$2,000 Other Costs associated with meetings and workshops
For items such as travel, mileage, equipment, and other costs directly associated to the completion of this work chapter.

CHAPTER 12

Multimodal Freight Transportation

RESPONSIBLE UNIT

Division of Planning
Multimodal Programs Branch

PURPOSE AND SCOPE

The Modal Team collects data, plans, promotes, and assists in the development of a multimodal and intermodal transportation system in Kentucky. The modal programs addressed in this chapter are public riverports, railroads, truck freight, and ferryboats. The team will administer and have oversight/support of ferry operations, Ferryboat Formula Funds (FBP), Kentucky Railroad Crossing Improvement (KRCI) grants, Kentucky Riverport Improvement (KRI) grants, Kentucky Public Riverport Construction and Maintenance (KPRCM) grants, Kentucky Short Line Infrastructure Preservation (KSLIP) grants, Kentucky Industrial Access and Safety Improvement (KIASI) grants, and other federal or state multimodal contracts. The team serves as staff support for the Water Transportation Advisory Board (WTAB) and Kentucky Freight Advisory Committee for Transportation (KFACT).

PROPOSED ACTIVITIES FOR 2024-2025

Public Riverports

- Maintain Kentucky's guidelines for KRI grant applications, as defined by current budget bill.
- Review any KRI grant applications received, manage awarded projects, request completion documents as needed.
- Develop guidelines for KPRCM grant applications as defined by House Bill 1.
- Review any KPRCM grant applications received, manage awarded projects, request completion documents as needed.
- Provide staff support for the Water Transportation Advisory Board.
- Interface with the public and private river ports in the state by responding to information requests and serving as a non-voting member of the Kentucky Association of Riverports.
- Conduct annual on-site visits of active public river ports in the state, as travel restrictions allow.
- Actively participate on the AASHTO Council on Water Transportation.
- Maintain Kentucky's application for establishing a public river port authority. Review and respond to applications for establishing a public river port authority, as needed.
- Maintain Kentucky Riverports, Highway and Rail Freight Study, as needed.
- Coordinate with United States Coast Guard, US Corp of Engineers, and MARAD on issues impacting river ports.
- Maintain KYTC's Riverports website.
- Maintain and update Riverports GIS datasets and maps.
- Assist with update of Hickman-Fulton County Riverport Authority Master Plan.
- Assist with update of Henderson County Riverport Authority Master Plan.

Railroads

- Oversee KRCI grant program including maintaining program guidance, reviewing applications, and contract execution, as needed.
- Coordinate with Division of Right of Way to administer KRCI projects as defined by the current budget bill.
- Oversee KSLIP grant program including developing program guidance & application, reviewing applications, and administering KSLIP projects.

CHAPTER 12

Multimodal Freight Transportation

RESPONSIBLE UNIT

Division of Planning
Multimodal Programs Branch

PROPOSED ACTIVITIES FOR 2024-2025 (continued)

- Oversee KIASI grant program including developing program guidance & application, reviewing applications, and administering KIASI projects.
- Maintain statewide railroad GIS mapping and datasets using RR GIS, RR maps, RR annual reports, and aerial photographs.
- Manage update of the KYTC Statewide Rail Plan and Infrastructure Assessment.
- Participate in various rail studies and research with KYTC involvement, as needed.
- Collect railroad annual reports and rail accident/incident reports as directed in 603 KAR 7:090.
- Actively participate on the AASHTO Council on Rail Transportation, American Railway Engineering and Maintenance-of-Way Association (AREMA), American Short Line & Regional Railroad Association (ASLRRRA), and Kentucky Operation Lifesaver.
- Monitor, track, and distribute information about railroad line abandonments in Kentucky.
- Track and share (with KY Tourism, KY Economic Development, et. al.) information regarding rail abandonments, as appropriate.
- Respond to public inquiries on passenger and freight rail issues.
- Maintain KYTC's Railroads website.

General Freight

- Provide technical assistance and disseminate information to MPOs, ADDs, HDOs, and project teams regarding freight movement, planning, and safety.
- Evaluate, log, store, and update freight data from MPOs, ADDs, and HDOs as needed.
- Coordinate designations to the National Highway Freight Network and the National Multimodal Freight Network, as required by IIJA.
- Review and maintain designation of the Kentucky Highway Freight Network.
- Participate in regional freight planning efforts.
- Continue involvement with Mid-America Freight Coalition (MAFC), Institute for Trade and Transportation Studies (ITTS), AASHTO Special Committee on Freight, and AASHTO Committee on Planning Freight Planning Task Force, as appropriate.
- Serve on ITTS Project Management Team for Regional Bottleneck Tool Update.
- Visit intermodal sites and communicate with rail, water, air, pipeline, and roadway modes to identify freight-related needs and concerns involving highways, as travel restrictions allow.
- Continue relationships with Economic Development to identify and promote intermodal freight opportunities and locations.
- Maintain Kentucky Freight Plan to IIJA compliance.
- Review draft procedure and perform analysis for Freight Performance Measures.
- Maintain KYTC's Freight website.
- Maintain and update Freight GIS datasets and maps as needed.
- Provide staff support for the KY Freight Advisory Committee for Transportation (KY FACT).
- Maintain and update Critical Urban Freight Corridor and Critical Rural Freight Corridor networks, as needed.
- Maintain Kentucky Statewide Truck Parking Assessment and Action Plan, as needed.
- Manage I-75 Boone County Rest Area Truck Parking study.
- Maintain and update Kentucky Highway Freight Network (KHFN), National Highway Freight Network (NHFN), and National Highway System (NHS) assets in Highway Information System database (HIS) as needed.

CHAPTER 12

Multimodal Freight Transportation

RESPONSIBLE UNIT

Division of Planning
Multimodal Programs Branch

PROPOSED ACTIVITIES FOR 2024-2025 (continued)

Ferryboats

- Coordinate the Kentucky Ferryboat Program writing contracts, reviewing invoices, and compiling traffic counts.
- Share information concerning Federal Ferryboat Formula Fund (FBP) program and administer FBP funds. Work with ferry authorities to develop fiscally constrained plans for FBP funds.
- Maintain and update Ferryboat (FB) asset in Highway Information System database (HIS) as needed.
- Maintain and update Ferryboats GIS datasets and maps, as needed.
- Collect ferry annual reports.
- Conduct annual on-site visits of Kentucky ferryboat operations, as travel restrictions allow.
- Coordinate with United States Coast Guard, US Corp of Engineers, and MARAD on issues impacting all ferries.
- Maintain KYTC's Ferryboat website.

PRODUCTS

- Kentucky Riverport Improvement projects/contracts.
- Kentucky Public Riverport Construction and Maintenance projects/contracts.
- Regularly updated multimodal freight, railroad, river port, and ferryboat GIS datasets and maps for KYTC and public purposes.
- Regularly updated freight network and multimodal assets in HIS database.
- Regularly updated freight, railroad, river port, and ferryboat webpages.
- Annual Ferryboat Traffic Counts Report.
- Ferryboat operation and FBP awards, contracts, site inspections, and invoice review/approval.
- Updated Intermodal Connectors documentation, as appropriate.
- KFACT meetings as needed (three per year anticipated) and updated webpage.
- Contracts and guidance for KRCL.
- Kentucky Short Line Infrastructure Preservation projects/contracts.
- Kentucky Industrial Access and Safety Improvement projects/contracts.
- Updated webpage, meeting minutes, agendas, logistics, and guidance for Water Transportation Advisory Board.
- In-progress Kentucky Statewide Rail Plan update.
- In-progress I-75 Boone County Rest Area Truck Parking Study
- In-progress Hickman-Fulton County Riverport Authority Master Plan update.
- In-progress Henderson County Riverport Authority Master Plan update.

CHAPTER 12

Multimodal Freight Transportation

RESPONSIBLE UNIT

Division of Planning
Multimodal Programs Branch

DISTRIBUTION OF ESTIMATED COST FOR 2024-2025

PERSONNEL	\$255,000
OUTSOURCED PERSONNEL	\$565,000
OTHER	\$15,000
TOTAL	\$835,000

ESTIMATED OUTSOURCING EXPENSES AND PURCHASES

Outsourcing

- \$340,000 Kentucky Statewide Rail Plan update.
- \$125,000 Marine Highway Designation Report.
- \$50,000 Hickman-Fulton County Riverport Authority Master Plan update.
- \$50,000 Henderson County Riverport Authority Master Plan update.

Other

- \$5,000 Operation Lifesaver - Educational Material (for public & school children).
- \$10,000 Other Operational Cost- For items such as travel, mileage, equipment, and other costs directly associated to the completion of this work chapter.

Non-Work-Program Expenses

- Tennessee Tombigbee Waterway Dues are paid through Regional Planning (EA51 General Fund \$85,000)
- \$52,000 Mid America Freight Coalition, a MAASTO subcommittee paid as pooled fund study*. Renewed in FY 2023 with an additional two-year commitment (FY 2024 & FY 2025).
- \$40,000 Institute for Trade and Transportation Studies (ITTS), a SASHTO subcommittee paid as a pooled fund study*. Renewed in FY 2023 with an additional one-year commitment (FY 2024). Uncertain future ITTS status currently for FY 2025.

* Expenses paid via KYTC Research Arm/Innovation Engineer.

CHAPTER 13

Statewide Traffic Data Forecasting and Transportation Modeling

RESPONSIBLE UNITDivision of Planning
Multimodal Programs Branch**PURPOSE AND SCOPE**

The Forecasting and Modeling Team analyzes traffic trends, provides current and projected traffic volume estimates for planning, project development, environmental analysis, operations, and other purposes. Local, regional, and statewide transportation models (KySTM) are updated and maintained. Data is collected, processed, and assembled for determining route location or relocation, running scenario analysis, or as input into KySTM. Cross training is performed to grow the team.

PROPOSED ACTIVITIES FOR 2024-2025**Traffic Forecasting- Reports, Studies, and Analyzes**

- Prepare traffic estimates for planning studies, design projects, maintenance, environmental, and other purposes, as requested.
- Administer statewide traffic forecasting contracts. Provide quality review for traffic projections prepared by the MPOs and consultants.
- Maintain databases tracking traffic forecasts and traffic forecast parameters. Make databases available to other users and offices as appropriate.
- Update Forecast milestone dates on Branch Calendar, at least monthly.
- Update and maintain the traffic forecasting webpage as a tool for other users. Maintain and update internal traffic forecasting tools (e.g., pavement design spreadsheets, turning movement spreadsheets, etc.) and Traffic Forecasting report.
- Participate in Regional Forecaster User's Group. This group includes forecasters from surrounding states that are trying to identify the state of practice for traffic forecasts.
- Provide growth rates from TFT tool for various projects.
- Update and maintain Turning Movement Count database.
- Create MOT and lane closure queue analysis spreadsheet and user cost calculations spreadsheet.
- Prepare Forecast Guidance Manual document for the forecasting community for consistent application of forecasting as a tool for cabinet projects.

Modeling- Reports, Studies, and Analysis

- Administer statewide modeling contracts. Provide quality review for models prepared by the MPOs and consultants.
- Maintain databases tracking traffic models, traffic modeling parameters, model use, and archive status. Make databases available to users.
- Assist MPOs by offering specialized training and updating smaller MPO models and providing outputs from MPO models for MTP process.
- Create, publish, and monitor Traffic Data and Model Sharing Agreements. Update Sharing Status milestone dates, at least quarterly.
- Use and modify existing and create new transportation models as needed to facilitate traffic forecasts, planning/regional studies, as well as special projects such as SHIFT.
- Maintain the traffic modeling web page as a tool for users.

CHAPTER 13

Statewide Traffic Data Forecasting and Transportation Modeling

RESPONSIBLE UNIT

Division of Planning
Multimodal Programs Branch

PROPOSED ACTIVITIES FOR 2024-2025 (continued)

- Obtain and use employment, traffic counts, speed data and travel time data for use in Transportation Demand Models. Research other available data sources. Evaluate benefit/cost of purchased data and TDM improvements.
- Participate in Transportation Model Users Group and TransCAD workshops for traffic forecasters and traffic modelers composed of members from government, academia, and the private sector. Provide in-house training to new members of the Modal Branch Forecast & Model team.
- Research state of the practice leading to better-calibrated and validated models. Attend peer reviews of TMA-MPO models and coordinate model updates as needed for small MPO models.
- Offer collaboration with Project Development to identify and utilize modeling, when appropriate.
- Further review and propose improved freight assignment in models.
- Create and maintain models for smaller MPOs.
- Evaluate ongoing research by KTC regarding speed data, travel time, and other big data sources for possible future application.
- Prepare Traffic Forecasting Web-based tool for simple forecasts.
- Update Microsimulation Guidelines document, as needed.
- Prepare Inputs and Perform Travel Demand and TREDIS Modeling for the 2026 SHIFT process.

PRODUCTS

- Project, Corridor, Road User Cost, and basic TREDIS Economic Modeling analysis, as requested.
- Provide VMT and VHT by road classification using KYSTM for MOVES3 (or current version), as requested.
- Model Sharing Status Report, upon request.
- Project Development coordination regarding models and forecasts.
- Growth rate analysis by exponential, regression, and straight-line methods, of traffic stations using TFT.
- Historical turning movement count data via the Turning Movement Count database.
- Hardin – Meade Travel Demand Model
- Bowling Green – Warren County Travel Demand Model
- Paducah – McCracken Area Travel Demand Model (will begin in FY 2025)
- Lexington Area Travel Demand Model (will begin in FY 2025)
- Develop/review as requested, Transportation Demand Models such as:
 - ◆ County or highway district area macro models
 - ◆ Corridor and small area micro-simulation models
 - ◆ Continued validation and calibration of new and existing models

CHAPTER 13

Statewide Traffic Data Forecasting and Transportation Modeling

RESPONSIBLE UNIT

Division of Planning
Multimodal Programs Branch

DISTRIBUTION OF ESTIMATED COST FOR 2024-2025

PERSONNEL	\$403,000
OUTSOURCED PERSONNEL	\$484,000
OTHER	\$13,000
TOTAL	\$900,000

ESTIMATED OUTSOURCING EXPENSES AND PURCHASES

Outsourcing

- \$150,000 to create Paducah – McCracken Area MPO model, with Time-of-Day and Vehicle Type components.
- \$50,000 to complete Technical Services agreement.
- \$134,000 to create Traffic Forecasting Software web-based tool for simple forecasts.
- \$75,000 to create MOT and lane closure Queue Analysis Tool.
- \$75,000 for 2026 SHIFT & TREDIS Modeling

Other

- \$12,000 Cost for TransCAD training.
- \$1,000 Other Cost for training – for items such as travel, mileage, meeting registration, and workshop fees.

Non-Work Program Expenses

- \$10,000 VISSIM (2) Maintenance for PTV Micro-Simulation Software.
- \$17,000 Caliper License fees for TransCAD (8) and TransModeler (5).

CHAPTER 14: Bicycle and Pedestrian Program

RESPONSIBLE UNIT: Division of Planning
Modal Programs Branch

PURPOSE AND SCOPE:

The Bicycle and Pedestrian Team coordinates, assists, and manages the state's Bicycle and Pedestrian Program within the Transportation Cabinet and coordinates associated efforts and works with other state agencies, local governments, organizations, and citizens of the Commonwealth. The coordinator works to expand active transportation opportunities in Kentucky by maximizing the use of roads, streets, parks, and other publicly and privately owned lands, abandoned railroads and roadbeds, and other resources in the development of bikeways and walkways. Assistance is in the form of technical advice, development/review of plans, and coordinating studies. The responsibility of the Kentucky Pedestrian and Bicycle Coordinator is to prepare, assist, and promote bike/ped programs throughout the state by working with project teams to recommend opportunities and options for bike/ped facilities for proposed and ongoing highway projects, local roadway projects, and other associated bicycle and pedestrian projects. The Bicycle and Pedestrian Coordinator acts as secretariat for the Kentucky Bicycle and Bikeway Commission.

The Bicycle and Pedestrian Team coordinates with the Cabinet for Tourism, Arts and Heritage, Department for Local Government, and the Cabinet for Health and Family Services to promote non-motorized travel within the state. The KYTC Office of Local Programs and the Kentucky Department for Local Government coordinate programs that support and encourage active/non-motorized transportation. The Team coordinates with these agencies regarding various grants and programs, such as, Scenic Byways, Transportation Alternatives Program (TAP), Recreational Trail Projects (RTP), Congestion Mitigation & Air Quality Improvement (CMAQ), Safe Streets 4 All (SS4A), Rebuilding American Infrastructure with Sustainability and Equity (RAISE), Highway Safety Improvement Program (HSIP), National Highway Traffic Safety Administration (NHTSA), Safe Routes for Schools (SRFS), and Reconnecting Communities Pilot Program (RCP).

PROPOSED ACTIVITIES FOR 2024-2025

Planning

- Assist local governments, Area Development Districts (ADDs), and Metropolitan Planning Organizations (MPOs) in the development and/or improvement of local bike/ped network facilities. Aid local planning efforts, and provide guidance to/from KYTC, FHWA, and AASHTO.
- Participate in the KYTC Strategic Highway Safety Plan update and implementation. Vulnerable Road Users is now one of six Emphasis Areas within the Highway Safety Plan and Strategies.
- Participate in the Federal Highways Administration (FHWA) Vulnerable Road User Safety Assessment as part of KYTC's Highway Safety Improvement Program in accordance with 23 U.S.C. 148(1).
- Assist with revision and updating of the United States Bicycle Route (USBR) tour system. Provide documentation, GIS files, color PDF maps, submit proposed re-routes as needed, and provide other updates to the USBR system in KY by submittal to AASHTO for approval. Update USBR's in the Highway Information System database (HIS) and GIS shapefiles as needed.
- Review, revise, and update the KYTC Complete Streets, Roads, and Highways Policy and Manual in accordance with BIL/IIJA, as needed. Conduct training sessions on usage and implementation of the manual to local government and regional planning agencies.

CHAPTER 14

Bicycle and Pedestrian Program

RESPONSIBLE UNIT

Division of Planning
Modal Programs Branch

PROPOSED ACTIVITIES FOR 2024-2025 (continued)

- Review, revise, and update the Statewide Bicycle and Pedestrian Master Plan document as needed. Provide answers to questions from local planning agencies about the Master Plan.
- Act as a Technical Liaison for municipalities to inform of the federal requirements for Americans with Disabilities Act (ADA) Transition Plans (in relationship to their pedestrian planning efforts) and provide resources and material for these plan developments.
- Coordinate and assist the review of federal funding applications for the various grant programs initiated by the Infrastructure Investment and Jobs Act (IIJA). Assist in the determinations of proposed activities awarded through federal funding to plan, design, construct, and inspect non-motorized facilities and maintenance treatments.
- Assist as formula group member for incorporation of Complete Streets Bicycle and Pedestrian criteria for newly created component in SHIF'T project prioritization process.
- Establish an ADA Compliance Initiative to bring all non-compliant/deficient intersections into compliance on all state-maintained streets, roads, and highways.

Engineering and Project Management

- Respond to requests concerning planning and design guidelines regarding bike/ped facilities. Provide reviews of bike/ped projects and facilities with KYTC's Highway District Office (HDO) and Central Office (CO) Divisions, Area Development Districts (ADDs), Metropolitan Planning Organizations (MPOs), and local governments.
- Review and perform quality control measures of bicycle and pedestrian facility inventory updates received from the ADDs as part of their annual work program. Integrate and process updates to the Bike/Ped Facilities (BKPD) assets in the HIS database. Act as a technical liaison and respond to technical inquiries about bike/ped facility types from ADD staff.
- Collaborate with ADD's to maintain database of local bike/ped master plans across the state and update this in the. Bicycle and Pedestrian Plans webpage.
- Review and comment on requests for signage or other options to recognize bike/ped facilities or on-road bicycle routes.
- Provide technical assistance and training for all state agencies, local agencies, ADDs, and other organizations in policy related materials and subjects related to non-motorized travel planning, facility design (including ADA compliance), and inspection.
- Review listing of proposed resurfacing and realignment projects for opportunities to improve bike/ped facilities or treatments through restriping and other improvements. Review for considerations within local bike/ped plans where appropriate as part of maintenance activities.
- Provide bike/ped accommodation considerations within traffic forecasts, planning studies, and other Project Development reports.
- Develop, update, and standardized coordination protocols with the Divisions of Maintenance, Traffic Operations, Design, Planning, and HDOs concerning Share the Road (STR) sign placement procedures.

CHAPTER 14

Bicycle and Pedestrian Program

RESPONSIBLE UNIT

Division of Planning
Modal Programs Branch

PROPOSED ACTIVITIES FOR 2024-2025 (continued)

- Regularly update and maintain GIS datasets and maps of bike/ped network facilities and plans statewide. Document linkage between the local and regional network facilities. Use national and statewide data sources (Streetlight, Strava, or other applications) to confirm and analyze bike/ped travel activity.
- Regularly maintain and update the statewide shared use path GIS dataset, and coordinate with OIT for data sharing endeavors internally and externally.
- Develop a Complete Streets, Roads, and Highways Review Process.
- Plan, oversee, and facilitate the installation of wayfinding signage along United States Bicycle Routes within the state. Coordinate with HDO's and contractors to maintain signage. Establish new corridors and collaborate with AASHTO for approval. Complete realignments as needed.
- Identify and help obtain federal, state, local, or private funds available for developing active (bike/ped) transportation facilities or treatments.
- Develop and maintain a functional system whereby all information related to non-motorized travel planning, design, and inspection (including ADA compliance) is available for consideration in local, state, and federal efforts.

Education & Enforcement

- Provide technical training, including best practices and bike/ped design for planners, designers, local government staff, and other KYTC staff (statewide) as needed.
- Facilitate education of the public regarding non-motorized modes of transportation. Provide educational brochures and other resources to local government offices, bike shops, health departments, and other related groups.
- Coordinate with all levels of Kentucky law enforcement to promote education and enforcement of bike/ped safety laws. Provide information at the annual Life Savers Conference and conduct a presentation, if required.
- Respond to citizens' requests for information, maps, bike routes, walking trails, availability of funds for projects, and other related information as requested.
- Develop and maintain a clearinghouse of information concerning active transportation for CO, HDOs, ADDs, MPOs, and local governments.
 - Regularly maintain and update all Bike Walk Kentucky webpages on KYTC's website. These webpages include but aren't limited to; Bike Walk Home, Kentucky Bicycle and Bikeway Commission (KBBC), Laws and Policies, Bike Ped Plans and Clubs, Sidewalk and Bike Facilities Map, Bicycle and Pedestrian Travel Planning, Safety Information, Technical Information, Recreational Trail Information, and United States Bicycle Routes.

CHAPTER 14

Bicycle and Pedestrian Program

RESPONSIBLE UNIT

Division of Planning
Modal Programs Branch

PROPOSED ACTIVITIES FOR 2024-2025 (continued)

Kentucky Bicycle and Bikeways Commission (KBBC)

- Plan quarterly KBBC meetings. Prepare agenda before and minutes after each KBBC meeting.
- Plan annual KBBC Conference. Prepare agenda before and minutes after the KBBC conference.
- Assist KBBC on communication and technical matters via email and phone calls.
- Assist in administering and reporting of the Paula Nye Memorial Education Grant program.
- Upload agenda and minutes to KYTC Bike/Walk website. Post other updates, pictures, and information on the webpage as needed.
- Assist with maintaining current memberships of commissioners. Relay membership changes received from the Governor’s Office to the commission.

PRODUCTS

- Guidance for local and regional bike/ped master plans.
- Clearinghouse/toolbox of bike & ped resources and related items for the creation or improvement of bike/ped projects or local master plans.
- Bike/ped brochures and promotional materials.
- Bike/ped transportation planning technical training courses.
- Walkability/Bikeability Audits.
- Quarterly and annual KBBC meetings.
- Nye Grant status reports.
- Continuous update of KYTC Bike/Walk web pages.
- Documentation for projects that include bike/ped components as a contributing part of the CHAF database and SHIFT project prioritization process.
- Regularly update GIS datasets, maps, and HIS assets of Bike/Ped Facilities Inventory, US Bicycle Routes, and Shared Use Paths.
- Complete Streets, Roads, and Highways Training Sessions.
- US Bicycle Routes approved by AASHTO complete with wayfinding signage.

DISTRIBUTION OF ESTIMATED COST FOR 2024-2025

PERSONNEL	\$300,000
OUTSOURCED PERSONNEL	\$5,000
OTHER	\$35,000
TOTAL	\$340,000

CHAPTER 14

Bicycle and Pedestrian Program

RESPONSIBLE UNIT

Division of Planning
Modal Programs Branch

ESTIMATED OUTSOURCING EXPENSES AND PURCHASES

Outsourcing

- \$5,000 for outsourcing miscellaneous expenses.

Other

- \$5,000 bike/ped training course instruction with site field visits.
- \$10,000 for Kentucky Bicycle and Bikeway Commission meetings.
- \$5,000 for bike/ped brochures.
- \$10,000 for bike/ped educational and safety items for drivers, cyclists, and pedestrians.
- \$5,000 Other Operational Cost-For items such as travel, mileage, equipment, GIS data for bike/ped purposes, and other costs directly associated to the completion of this work chapter.

CHAPTER 15

Quality Assurance

RESPONSIBLE UNIT

Division of Highway Design
Quality Assurance Branch

PURPOSE AND SCOPE

The purpose of the Quality Assurance Branch is to improve Kentucky Transportation Cabinet's (KYTC) project deliverables and design policy, processes, and procedures. There are four programs within the QAB designed to reach these objectives: Value Engineering (VE), Constructability Review, Post-Construction Review (PCR), and Roadway Safety Evaluation.

The KYTC VE program was established in 1995 as an independent review process to examine potential ways to improve a project's value by increasing the design function and/or reducing its cost. The IIJA/BIL specifies all roadway projects on the NHS that have a total phase cost exceeding \$50 million and bridge projects exceeding \$40 million will require a VE study when there are any federal funds used for the project. The total phase cost of a project is that which is estimated for planning, environmental, design, right-of-way acquisition, utility relocation, and construction.

Recommendations developed in a VE study are shared with the project development team to consider for implementation. QAB staff administers the VE program, including the monitoring of implementation of approved recommendations. Occasionally, the VE program is used to address other projects or to review processes, standards and/or specifications.

The Constructability Review program assists Project Managers by examining projects for errors, omissions, and issues related to the constructability of a project. Constructability reviews are conducted primarily for final joint inspection plans; however, preliminary line and grade plans and check prints may also be reviewed. Constructability reviews are conducted on both roadway and structure plans.

The Post-Construction Review program was established to identify issues that arise during the construction phase that could have been prevented or improved during the design phase. It also serves to educate contractors about the reasons behind design features and objectives. This program is also used to evaluate the performance of design objectives after a project is built.

QAB, along with District Office staff, identifies recently built projects in which to review. A PCR meeting includes all design and construction professionals involved in the project. Participants discuss the issues that arose and solutions that were implemented. QAB documents this information and shares it with them on a document called a Fact Sheet. Some recurring or important issues are identified as Elevated Issues (EI), which are further considered for study and evaluation. Ultimately, EIs can lead to policy changes or educational material.

Data collected from each of the three programs are entered into the Lessons Learned database for each program. The collection of data is organized and shared with KYTC personnel and partners on QAB's website. The data is also analyzed to determine issues that may warrant further action that could lead to improvements, changes, or revisions to design processes that may improve overall project quality or cost savings. Lessons learned are also shared via the QAB newsletter, *Quality Matters*

CHAPTER 15

Quality Assurance

RESPONSIBLE UNIT

Division of Highway Design
Quality Assurance Branch

PURPOSE AND SCOPE (continued)

The Roadway Safety Evaluation Program is a program within the QAB that is in its initial stages of development. The intent of this program is to provide designers and construction professionals with safety performance feedback on constructed projects. These projects are evaluated after at least three years of construction completion so that adequate crash data can be collected and evaluated. This program incorporates KYTC's Data Driven Safety Analysis (DDSA) Implementation Plan to evaluate projects and determine the safety performance of the newly constructed roadway. The completed analysis is then shared with the Project Manager as well as design and construction professionals.

PROPOSED ACTIVITIES (Annually)

- Conduct Constructability Reviews to improve quality of designs and identify issues that may affect the constructability of a project.
- Conduct mandated VE studies to meet federal regulations.
- Conduct other VE studies, as requested.
- Conduct PCRs for each requested project. Enter PCR information into database. Issue Fact Sheets for each PCR. Activity is contingent on being able to hire an engineer to administer.
- Develop methodologies for measuring safety performance of projects at least 3 years after construction is complete.
- Evaluate projects, as identified, for performance of design objectives after construction is complete. Document lessons learned.
- Assist project managers in safety analysis on highway design projects.
- Identify and follow up on issues identified as EI.
- Continue to develop and update policy and procedures for all aspects of each program.
- Publish the Quality Matters newsletter, containing content about findings from program reviews and design innovations.
- Develop and publish Tech Briefs, each focused on a single, important topic identified through the reviews (contingent on hiring another person).
- Archive and map project plans and make available on archival website.
- Upon special request, provide analysis of data collected through the QAB program areas.
- Ensure consistency and quality of design products delivered by KYTC.
- Oversee outsourced activities.

PRODUCTS

- VE Studies
- VE Punch Lists
- VE Project Database
- VECF Database
- FHWA Annual VE Report
- Constructability Project Review Reports
- Constructability Review Database

CHAPTER 15

Quality Assurance

RESPONSIBLE UNIT

Division of Highway Design
Quality Assurance Branch

PRODUCTS (continued)

- Post-Construction Review Fact Sheets
- Post-Construction Review Database
- Project Safety Performance Measurement Reports
- Quality Matters Newsletters
- Tech Brief Publications
- Special Studies

DISTRIBUTION OF ESTIMATED COST FOR 2024-2025

PERSONNEL	\$450,000
OTHER	\$50,000
TOTAL	\$500,000

ESTIMATED OUTSOURCING EXPENSES AND PURCHASES

- \$50,000 to outsource but not limited to the following: Publishing newsletter and briefs, travel to conduct normal QAB program business, training and training materials, special studies, SAVE International Membership fees, SAVE International Annual Conferences, AASHTO VE Committee Conferences, Transportation Research Board (TRB) attendance, VE studies that are state funded, participation in TRB committees, American Society for Quality (ASQ) membership and attendance to meetings, research or assistance related to Quality Assurance and Quality Control, research projects initiated by QAB.

Note: FHWA will be notified in advance when the Quality Assurance Branch needs to utilize the funds for activities other than those listed above.