

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



**ANNUAL PERFORMANCE AND  
EXPENDITURE REPORT  
FOR  
FISCAL YEAR 2025 ANNUAL WORK PROGRAM  
PROJECT SP 0020 (042)  
JUNE 16, 2024 THROUGH JUNE 15, 2025**

**SEPTEMBER 2025**

The Division of Planning achieved a great deal in FY 2025. Several analyses, studies, and traffic forecasts were completed or initiated over the year to support the KYTC construction lettings. The Division continued to improve on data collection and storage initiatives. Intermodal planning was advanced, including a couple additional training workshops across the state educating planners, engineers, and for the first time Project Delivery and Preservation staff on KYTC's award-winning Complete Streets, Roads, and Highways Manual. The division continued coordination with local communities on bicycle/pedestrian planning and led the Vulnerable Road User (VRU) Task Force with a heightened focus, especially in Louisville in Lexington, because of continuing fatalities and serious injury crashes. The federally required Statewide Rail Plan was completed. From the Truck Parking Study, the Boone County Rest Area advanced into final design, staff has continued to attend regular progress meetings on this high-priority effort. As a result of the Bipartisan Infrastructure Law (BIL) establishing a National Electric Vehicle Infrastructure (NEVI) Formula Program, the division led the preparation of the yearly Electric Vehicle (EV) Deployment Plan Update in coordination with the Energy and Environmental Cabinet (EEC) and the Public Service Commission (PSC). We also issued the third Request for Proposals (RFPs), awarding 11 additional sites, bringing the total to 46 awarded sites to 11 developers in the facilitation of EV deployment efforts, coordinating with FHWA throughout. Funding was paused for this program in early February (awaiting federal guidance), but staff continued to press forward with previously obligated funding. We worked closely with the Office of Local Programs on CMAQ, TE, and Safe Routes to School projects. The Division worked to continuously improve upon the Strategic Highway Investment Formula for Tomorrow (SHIFT), which is a linchpin in Kentucky's implementation of Performance Based Planning and Programming. The Statewide Interstates and Parkways Plan (SWIPP), which identified critical segments regarding mobility, accessibility, and safety, to feed into SHIFT was completed. The first Wildlife-Vehicle Collision Reduction Plan, with a goal to enhance safety and environmental sustainability on Kentucky roadways by implementing efficient, effective countermeasures that reduce wildlife-vehicle collisions and support habitat connectivity, was completed. In all, 17 studies were completed by the division, with three of those having a distinct focus on Complete Streets, to contribute towards satisfying the federal requirement (2.5% of SPR funds must be spent on Complete Streets projects).

All these activities occurred while the Division of Planning continued to collect necessary data, manage and report the data as required, respond to requests for data both within and outside the Cabinet, forecast future transportation demands, plan for the transportation needs within the Commonwealth, coordinate with our rural and metropolitan planning partners, address air quality concerns, support project selection for the Six-Year Highway Plan and Statewide Transportation Improvement Program (STIP), and address other State and Federal requirements.

FY 2025 accomplishments are identified in this document by chapter in **red ink**. Initial budget and expenditures are also shown at the end of each chapter.

**FY 2025**  
**SPR CHAPTER FUNDING SUMMARY**

<b><u>CHAPTER</u></b>	<b><u>TITLE</u></b>	<b><u>BUDGETED</u></b>	<b><u>EXPENDED</u></b>
1	SPR Work Program	\$852,000	\$719,534
2	Personnel Training	\$123,000	\$154,033
3	Traffic and Engineering Management	\$3,975,000	\$3,937,652
4	Roadway Systems	\$800,000	\$680,580
5	Cartography	\$330,000	\$255,998
6	Highway Information System	\$1,580,000	\$1,292,955
7	Strategic Corridor Planning	\$3,500,000	\$3,072,600
8	Statewide Transportation Planning	\$2,000,000	\$2,349,645
9	Metropolitan Planning Organizations	\$775,000	\$753,214
10	Performance Measures and Congestion/Mobility Analysis	\$190,000	\$114,692
11	Air Quality	\$150,000	\$145,502
12	Multimodal Freight Transportation	\$835,000	\$388,335
13	Traffic Data Forecasting	\$900,000	\$1,176,959
14	Bicycle and Pedestrian Program	<u>\$340,000</u>	<u>\$315,901</u>
	<b>Planning Total</b>	<b>\$16,350,000</b>	<b>\$15,357,600</b>
	Percent Expended		94%
15	Quality Assurance	<u>\$500,000</u>	<u>\$138,750</u>
	<b>Other Items Total</b>	<b>\$500,000</b>	<b>\$138,750</b>
	Percent Expended		28%
	<b>Work Program Total</b>	<b>\$16,850,000</b>	<b>\$15,496,350</b>
	Percent Expended		92%

## 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. **Customer Service Branch created over 500 pieces of correspondence in the form of memos and letters. Almost all of which were related to processing contracts, MOAs, letter agreements and other activities related to the SPR Work Program. 100% Complete**
- Prepare monthly expenditure reports for each chapter of the SPR Planning Work Program. **Ran 12 expenditure reports, one per month. 100% Complete**
- Coordinate and prepare the annual SPR Planning Work Program, Accomplishments, and Performance and Expenditure Report. 23 CFR 420.117. **Ran final expenditure reports for FY 2024 and reported total expenditures as well as percentage of budgeted amounts. Prepared FY 2025 Work Program. 100% Complete**
- Kentucky Transportation Center studies, as needed. Additional studies other than those listed below will be submitted to FHWA for an eligibility review. **Three studies are ongoing, with work and recommendations available prior to SHIFT or division needs, as none were expected to be completed at the conclusion of FY 2024. 100% Complete**

### 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

	2024-2025	Expended	Percent Expended
<b>PERSONNEL</b>	<b>\$10,000</b>	<b>\$9,236</b>	<b>92%</b>
<b>OUTSOURCING</b>	<b>\$630,000</b>	<b>\$607,294</b>	<b>96%</b>
<b>OTHER</b>	<b>\$212,000</b>	<b>\$103,004</b>	<b>49%</b>
<b>TOTAL</b>	<b>\$852,000</b>	<b>\$719,534</b>	<b>84%</b>

## CHAPTER 1

## SPR Work Program

### RESPONSIBLE UNIT

Division of Planning  
Customer Service Branch

### ESTIMATED OUTSOURCING EXPENSES AND PURCHASES

#### Outsourcing

- \$630,000 for various Kentucky Transportation Center studies:
  - \$330,000 for SHIFT related studies –
    - Benefit/Cost Continuation Formula **100% Complete**
    - Automation of Scoring Continuation **Several components are ready for inclusion once internal database is ready. 50% Complete**
    - Maintenance and Preservation Component Improvement **100% Complete**
    - PL 47 (SHIFT Improvement) Carryover from previous fiscal year, Final Report received. **100% Complete**
    - PL 48 (Non-Motorized Improvements) Carryover from previous fiscal year, Final Report received. **100% Complete**
  - \$300,000 for other Planning Use –
    - Non-Motorized Mobility Data Collection and Improvement (\$140,000) **Draft Report issued with Final Report soon. 95% Complete**
    - Evaluation of Streetlight Turning Movement Data (\$110,000) **100% Complete**
    - PL 49 Evaluation of Existing and Development of New ATR locations across the Commonwealth (\$50,000) **Awaiting Final Report 90% Complete**
    - **Complete Streets Program Implementation and Refinement** Carryover from previous fiscal year, Final Report received. **100% Complete**
    - **Improving Methods to Incorporate Planning Studies into Constructed Projects.** Carryover from previous fiscal year. **100% Complete.**
- 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. **Tool used to assist in the 2026 Recommended Highway Plan.**

## **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 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**

	<b>2024-2025</b>	<b>Expended</b>	<b>Percent Expended</b>
<b>PERSONNEL</b>	<b>\$120,000</b>	<b>\$148,779</b>	<b>124%</b>
<b>OTHER</b>	<b>\$3,000</b>	<b>\$5,254</b>	<b>175%</b>
<b>TOTAL</b>	<b>\$123,000</b>	<b>\$154,033</b>	<b>125%</b>

#### **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
<b>Conferences</b>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Nat'l Travel Monitoring Expo and Conference (NATMEC)			X											X	
GIS T						A	X						X		
KYTC Arc-GIS One Day Summit							X	X				A	A	A	
Mid-America Freight Coalition									X			A			
Institute for Trade and Transportation Studies												A			
Highway Information Seminar			A			A									
Bicycle and Pedestrian Facilities							X	X	A				X	A	
Inland Marine Expo												X			
TRB Marine Board												X			
ACEC Partnering Conference			A				A	A	A	A	A	A	A	A	A
TRB Annual Meeting							A		X	A			A		
TRB Tools of the Trade: Small and Medium Communities							X		X	A			X		
AREMA Annual Conference												X			
Annual Kentucky/Louisville Bike & Pedestrian Summit							X	X	X					X	
ITE Section Conference							A	X	X				X	A	
American Planners Association							A	X	X						
AMPO									X						
TRB Innovations in Freight Data Workshop												X			
ASHE Bluegrass Chapter Meetings							A	X	X				A	X	
AASHTO Standing Committees							A	X	X			A	X	X	
Inland Rivers, Ports & Terminal Conference												X			
TRB Workgroups/Research/Webinars							A		X	A		X	X	A	
WVDOH Planning Conference							X		X				X		
Ohio Conference on Freight									X			A			
MAASTO Annual Meeting							A					A			
ASCE Conference							X							X	
TRB Automated Vehicle Symposium							X			A					
KYTC/FHWA Freight Conference							X	X	X			A	X		
KSPE Conference							X							X	
Kentuckians for Better Transportation (KBT)							A	X	X			A		A	
FHWA Earth Day Summit											A				
Intermodal Association of North America Expo															
National Waterways Conference Annual Meeting												X			
American Shortline Railroad Association Convention												X			
Waterways Council Annual Meeting												X			
Pro Walk/Pro Bike Bi-Annual Conference														X	
Support for Urban Mobility Analysis Summit (SUMA)										X		X	X		
ITE Annual Meeting							X		X						
SASHTO Meeting							A			A				A	
AASHTO Joint Policy Conference							X								
APA National Planning Conference							X		X						
TRB Asset Management Meeting & A/E40 Mid-Year Meeting							A			A					
TRB AME10 Mid-Year Meeting							X								
SDITE Annual Meeting							A		X					A	
Purdue Road School							A								
Statewide Transportation Planning Meetings			A			A	A	X	A	X	A	A	A	A	
Kentucky Freight Conference							X		X						
AASHTO Committee on Water												A			
ASSHTO Committee on Rail												X			
ASSHTO Special Committee on Freight												A			
AASHTO Committee on Planning							A					A			
Bike/Walk Places Conference														X	
Lifesavers Conference			X				A	X	A			X		X	
Pool fund Study Meetings			A							X					
National Highway Data Workshop and Conference (HiDaC)			A			A									
APBP Conference														A	
National Bike Summit									A					A	
GHSA Annual Meeting														X	
KBBC Annual Meeting									A					A	
PIARC Conference/Seminars							A								
Conference on Advancing Transportation (CATE)							X								
ARC-Network Appalachia Meetings												X			

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
Kentucky Trucking Association Annual Convention												X			
Tennessee-Tombigbee Waterway Annual Conference												X			
Kentucky Innovative Technology Deployment Team Annual Meeting												A			
NaTMEC Biennial Conference												X		X	
NASEO/AASHTO Midwest EV Conference											A				
NASEO/AASHTO Southeast EV Conference											A				
NASEO/AASHTO Annual Conference											A				
EV Charging Summit & Expo											A				
OTD MUG Meetings													A		
Bike/Walk Kentucky Summit							A	A	A						
FHWA Public Engagement Workshop							A								
TETC Freight Academy (Pre-Program Webinars and In-Person Program)							A					A		A	
Kentucky Association of Mapping Professionals (KAMP)												A		A	
Mid America Trucking Show Educational Seminars												A			
KY APA Conference														A	
Office of Highway Safety Safety Summit														A	
Road Safety & Simulation Conference									A						

X = Planned to attend but did not attend

A = Planned to attend and did attend

A = Did not plan to attend but did attend



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
Training Events	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Jackalope User Group			A												
Public Involvement							X	X	X						
NEPA							X	X	X		X				
Fundamentals of Title VI/EJ							X	X	X						
Highway Capacity Manual													X		
KYTC Traffic Engineering Design													X		
Road Safety Audit Training							X	X	X						
NEPA Highway Safety Manual							X	X	X					X	
Microstation I			A	X											
Microstation II				X											
Open Roads Designer I				X											
Open Roads Designer II				X											
Microsimulation													X		
Administration of FHWA Planning and Research Grants															
Planning for Operations							X	X	X						
Congestion Management and Reliability							X	X	X	X					
Transportation and Land Use							X	X	X				X		
Climate Change							X	X	X		X				
MOVES									X		X				
TransCAD/Modeling													X		
Census Training													X		
CHAF Training															
R Programming Course										A			X		
Various ACEC Planning/Design							A	X	X						
Air Quality Conformity									X		X				
TREDIS							X	X	X	X			X		
Data Driven Safety Analysis							X	X	X						
Performance Based Planning							X		X						
TransCAD GISDK									X				X		
Operations Academy							X		X						
KYTC Project Managers's Boot Camp							A		X			A		A	
KYTC 101				X			A		X	A					
Complete Streets Workshop							X	X	X			X	A	X	
Advanced Leadership Academy			A				X								
Transportation Safety Planning Workshop							X	X	X						
AMPO Planning Tools									A						
Various FHWA Webinars							A	A	A					A	
Various ITE Webinars							A	X	A					A	
VISSIM Training													X		
Streetlight KYTC Training										A		A	A	A	
TFT Tool Training													A		
TEMAC Annual Training			A												
Kentucky Roadway Safety Champion Program Webinar							A								
KYTC TSMO 101							A	A					A		
KYTC New Engineer Orientation							A								
KTC Basic Traffic Engineering Webinar							A								
Various WTS Lunch and Learn							A								
Rails to Trails Webinar							A								
Society of Outdoor Recreation Professionals Webinar							A								
KYTC Funding Request Automation Webinar							A								
Various AASHTO Webinars								A							
Various ARC Webinars								A							
OTDMUG													A		
Railroad Workplace Safety Training												A			

## 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. **100% Complete**
- Download, process, and analyze data for every day of the year from approximately 98 permanent ATR stations. **89 ATR sites provided the required amount of data for FY 2025. 100% Complete**
- Submit monthly reports of hourly ATR records to FHWA. **100% Complete**
- With KYTC District Offices, collect and process vehicle volume data from approximately 5,000 short-duration, portable-machine, coverage, and ramp counts. **5,725 counts were accepted in FY 2025 for our regular coverage counts. Approximately 1,200 additional counts were collected for the local road DVMT study. 100% Complete**
- 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. **100% Complete**
- 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. **1,394 classification counts accepted in FY 2025. 100% Complete**

## CHAPTER 3

## Traffic and Equipment Management

### RESPONSIBLE UNIT

Division of Planning  
Traffic and Equipment Management Branch

### PROPOSED ACTIVITIES FOR 2024-2025 (continued)

- Provide traffic data for annual FHWA-required Highway Performance Monitoring System (HPMS) report. **100% Complete**
- Update axle and monthly factors used in adjusting short-term counts from data collected at ATR and vehicle classification stations. **100% Complete**
- Update in-house databases to include any new stations or roadway alignment changes. Correct beginning and ending mile points to better represent traffic generators. **100% Complete**
- 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. **75% Complete**
- 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. **KYTC identified new ATR locations in coordination with KTC study findings. These sites are in the construction letting and will be completed in FY 2026.**
- Investigate and purchase new traffic data collection equipment to provide for safer, and more efficient and accurate methods of collection. **Continue to investigate. 25% Complete**
- Certify, repair, and maintain approximately 800 traffic data recorders. **100% Complete**
- Inspect, repair, and maintain, where possible, approximately 585 vehicle sensor locations (~95 ATRs and ~490 semi-permanent). **New installs will increase total to 660 (~95 ATRs and ~565 semi-permanent). 100% Complete**
- Administer contracts and provide oversight of contractor(s) for the repair and maintenance of ATR and semi-permanent vehicle sensor locations. **100% Complete**
- 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. **Project tracked from several different sources, including Division of Highway Design and Division of Maintenance. 100% Complete**
- Provide construction oversight, when required, and perform final inspections of new and replacement traffic sensor installations. **100% Complete**
- Provide contract management and oversight of consultant assisting with field data collection and other tasks. Process and provide quality assurance of the provided counts. **100% Complete**
- Provide traffic count technician training and support, as needed. **100% Complete**
- 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). **Study is continuing and three stations in Kentucky will utilize the technology in this study. 100% Complete**
- Restart equipment review team to look for possible upgrading of counting equipment utilizing demo units from manufacturers and units bought for this purpose. **Continue to talk with vendors and research possibilities going forward. 35% Complete.**
- Review and analyze functionally classified local road data to validate formula used to calculate local road Daily Vehicle-Miles of Travel (DVMT). **This task spans at least three fiscal years. 50% Complete**
- Provide support to Central Office and District personnel for RoadRunner Mobile application. **100% Complete**

## CHAPTER 3

## Traffic and Equipment Management

### RESPONSIBLE UNIT

Division of Planning  
Traffic and Equipment Management Branch

### PRODUCTS

- Volume and classification data from ATR stations **100% Complete**
- Volume, classification, and weight data from WIM stations **100% Complete**
- Volume and classification data from short-duration machine count stations **100% Complete**
- Volume and classification data from special counts **100% Complete**
- Axle and monthly factors **100% Complete**
- Databases containing traffic count station and traffic count data information **100% Complete**
- Accurate local DVMT data for FHWA reporting through HPMS **100% Complete**

### DISTRIBUTION OF ESTIMATED COST FOR 2024-2025

	2024-2025	Expended	Percent Expended
<b>PERSONNEL</b>	<b>\$2,647,500</b>	<b>\$2,603,705</b>	<b>100%</b>
<b>OUTSOURCED PERSONNEL</b>	<b>\$1,015,000</b>	<b>\$1,249,673</b>	<b>123%</b>
<b>OTHER</b>	<b>\$312,500</b>	<b>\$84,274</b>	<b>27%</b>
<b>TOTAL</b>	<b>\$3,975,000</b>	<b>\$3,937,652</b>	<b>99%</b>

### 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. **Daily tasks consist of contacting District Offices for project updates and informing Data Management of open-to-traffic date changes. 100% Complete**
- 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. **Regularly update Highway Information System (HIS) with the Data Management team based on District Planning recommendations through calls, emails, and meetings. 100% Complete**
- 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). **Official orders completed with modifications to the SPRS, with supporting documentation kept on file. All tasks carried out as required. 100% Complete**
- Ensure the SPRS reflects roadways of significance and correlates with the functional classification system and the electronic base map coverage. **SPRS reviewed for all new road alignments, integrating recommendations and input from districts to support classification changes. Projects evaluated upon initiation, and official orders were issued based on assessments. 100% Complete**
- 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. **Quarterly reports generated from HIS/EXOR and published on the website as required. 100% Complete**
- Review revisions to the SPRS to discover any modifications made necessary to other systems such as functional classification, NHS, or NN classifications. **New alignment reviews assess when nearby roads require reclassification, while changes to NHS and NN need separate orders. Several segments in Mason, Christian, and Mercer Counties were proposed for removal from Kentucky's National Truck Network, pending FHWA approval. An official order was also prepared to remove US 68 and US 127 in Mercer County from the NN and to add KY 2154 in Marion County, both awaiting FHWA confirmation. 100% Complete**
- 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. **None requested. 100% Complete**

## CHAPTER 4

## Transportation Systems

### RESPONSIBLE UNIT

Division of Planning  
Transportation Systems Branch

### PROPOSED ACTIVITIES FOR 2024-2025 (continued)

- 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. **Frontage road reviews require district offices to meet Federal-Aid Policy Guide 23 CFR 620B criteria. Letters sent to districts for FHWA approval. No relinquishment requests to FHWA this period. 100% Complete**
- 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. **Submittals presented to the Special Committee twice a year, as needed. Three US Route Numbering applications submitted for review: (1) extension of I-69 by approximately 10 miles in Henderson County, (2) the establishment of Alternate US 460 in Pike County, and (3) the relocation of US 460 in Pike County. 100% Complete**
- Provide all system revision information to the Data Management branch and others as appropriate. **Regular communication with Data Management maintained to verify that all Systems data within HIS is accurate. 100% Complete**
- 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. **Ton-Mile Report provided in August 2024 with 167,936,910 ton-miles recorded. 100% Complete**
- Publish Kentucky's Official Coal Haul Highway System Report as required by KRS 177.977 and KRS 42.455. **Coal Haul Report and maps published in August 2024. The Extended Weight and Coal By-Products Haul Road System report completed and posted on the KYTC website in October 2024. 100% Complete**
- 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. **The Extended Weight data updated in HIS in August 2024. Official Order No. 113809, approved by Secretary's signature on October 18, 2024, confirms the project is fully complete. 100% Complete**
- 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. **Processed eight transfer requests. 100% Complete**
- 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. **GASB Report provided to Budget and Fiscal Management in July 2025. A total of 4.787 state miles added, with 4.070 state miles removed, resulting in a net increase of 0.717 miles to the SPRS. 100% Complete**



## CHAPTER 4

## Transportation Systems

### RESPONSIBLE UNIT

Division of Planning  
Transportation Systems Branch

### PRODUCTS

- Official Order Changes to the State Primary Road System. 42 Official Orders and six Electronic Official Orders completed, with a total of 48 revisions. 100% Complete
- State Primary Road System Official Order Listings. Updated State Primary Road listings after each official order. Revised mileage totals and revisions page reflecting changes. Posted updated SPRS listings and new SPRS Maps on the Planning website. 100% Complete.
- Quarterly Reports on internet: State Primary Road System Mileage, Designated National Truck Network routes and mileage. NHS and NTN reports posted online at start of each quarter. The SPRS mileage report is published online as requested by districts. 100% Complete
- GIS map files incorporating project design files for decision-making and use by other Branches. Integrated project design files into GIS maps for 42 projects and coordinated with the Data Management Branch to provide information for HIS input and HPMS reporting. 100% Complete
- Coal Haul System Report with associated maps and separate datasets to Department of Local Government, KYTC Budgets and KYTC Bridge Maintenance. Compiled Coal Haul reports and shapefiles, created county and statewide maps, and mailed over 500 Coal Haul forms and fewer than 300 updates. 100% Complete
- Request to FHWA for modification of National Truck Network (NN) or Official Order Change to State Designated National Truck Network. Removed portions with pending removal of KY 55 and US 68 in Marion County. Redefined and redescribed sections of US 62 and US 62X in Mason County. 100% Complete
- Request to FHWA for modification of National Highway System. Edward T. Breathitt Parkway designated as I-169. WN 9007 now designated as KY 9007. Julian M. Carroll Parkway 9003 was designated as I-69. Edward T. Breathitt was also designated as I-169. 100% Complete
- Request to FHWA for permission to relinquish interstate frontage road to local government. No relinquishment requests pending. 100% Complete
- 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. Submitted application for US 460 and US 460 Alternate in Pike County, as well as the Ohio River Crossing (ORX) I-69 in Henderson County. 100% Complete

### DISTRIBUTION OF ESTIMATED COST FOR 2024-2025

	2024-2025	Expended	Percent Expended
PERSONNEL	\$799,000	\$679,973	85%
OTHER	\$1,000	\$607	61%
TOTAL	\$800,000	\$680,580	85%

### ESTIMATED OUTSOURCING EXPENSES AND PURCHASES

#### 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. Updated SPRS and Functional Classification maps and uploaded to the internet 25% Complete Re-creating SPRS and FC maps using ArcGIS Pro 30% Complete
  - 32 SPRS County maps updated in 2025
  - 32 FC County maps updated in 2025
  - 30% Complete recreating SPRS and FC maps in ArcGIS Pro
- Maintain and publish electronic formats of cartographic products for display on the Internet. Uploaded maps to internet after review. 100% Complete
  - KYTC Contacts maps updated and published
- 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. 100% Complete
  - 2026-27 Official Highway Map (99% Complete), awaiting new Governor's Message and picture
  - Hal Rogers Parkway updated to show recent extension through Perry, Knott, and Floyd Counties
  - Received 3,600+ website requests for an Official Highway Map
  - Mailed 19,400 Official Highway Maps
- Create reports and exhibits for various Division projects and studies to assist transportation decision-makers in their roles. 100% Complete
  - Created four new complete webpages to support the Statewide Transportation Planning quarterly meetings
  - Updated the Planning Work Program webpage
  - Added Eastern Kentucky Corridor section to the I-66 webpage
  - Added I-64/US 60 Wildlife Vehicle Collision Study to Planning Studies & Reports webpage
- Provide mapping and graphic assistance to other Divisions and Departments as requested. 100% Complete
  - Created Road Quality Rank Map for Kentucky Rural Economic Development Act (KREDA)
- Develop and provide to outside entities digital maps as requested. 100% Complete
  - Created FAA Airports Districts map for the Department of Aviation
- Develop and provide geographic information systems (GIS) files locating other modes of transportation. As requested, 100% Complete



## CHAPTER 5

## Cartography

### RESPONSIBLE UNIT

Division of Planning  
Transportation Systems Branch

### PRODUCTS

- Official Highway Map **99% Complete**
- State Primary Road System Maps **30% Complete with comprehensive state update**
- Functional Classification Maps **30% Complete with comprehensive state update**
- Other Highway Data Maps (i.e., traffic counts, NHS, NN, etc. maps) **100% Complete**
- Cabinet and Planning Project Exhibit Maps/Displays **100% Complete**
- GIS Analyses of various data for transportation decision-making **100% Complete**
- General and special purpose maps as requested by other agencies **100% Complete**
- Geographic information systems (GIS) electronic files **100% Complete**

### DISTRIBUTION OF ESTIMATED COST FOR 2024-2025

	2024-2025	Expended	Percent Expended
<b>PERSONNEL</b>	<b>\$130,000</b>	<b>\$113,310</b>	<b>87%</b>
<b>OTHER</b>	<b>\$200,000</b>	<b>\$142,688</b>	<b>71%</b>
<b>TOTAL</b>	<b>\$330,000</b>	<b>\$255,998</b>	<b>78%</b>

### 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. **Updated centerline locations and attributes impacted by 64 state road projects. Processed 1,600 local road centerline location and attribute changes in 78 counties. 100% Complete**
- Provide up-to-date route network locations, route lengths, and highway data for use by internal and external customers. Ensure accuracy of information provided. **Provided up-to-date information to customers inside and outside the Cabinet using CAD design files, Photo Van data, field collection, GIS tools, and aerial imagery. 100% Complete**
- 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. **Generated 51 maps for road construction projects and distributed to appropriate staff for review and response as appropriate. 100% Complete**
- 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. **Used CAD design files to update new state road centerlines, mileages, and inventory on pace with project openings for 64 projects. Used GPS collection methods to field-verify information obtained with CAD design files. Used Photo Van data and images to improve accuracy of road centerlines and inventory. 100% Complete**

## CHAPTER 6

## Highway Information System

### RESPONSIBLE UNIT

Division of Planning  
Data Management Branch

### PROPOSED ACTIVITIES FOR 2024-2025 (continued)

- 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. Data in HIS regularly reviewed and updated as necessary with more accurate and valid information captured from Photo Van images and data. 100% Complete
- Perform office reviews to verify HIS data meets the required standards established by this Division and FHWA. Reviewed weekly reports and quality control checks to ensure proper data maintenance. Utilized HPMS Field Manual to verify data quality and completeness. Performed checks to ensure local road centerline changes met standards. 100% Complete
- Assist the Division of Maintenance in the implementation of pavement performance measures reporting and analysis via HPMS. Adapted Division of Maintenance pavement data to meet HPMS software requirements and ensure its successful load into the software. 100% Complete
- Assist in the implementation of national performance measures reporting and analysis in accordance with federal legislation, regulations, policies, and/or guidelines. Attended webinars and meetings regarding implementation. Continuing to evaluate best methods for implementation within Kentucky's data environment. 85% Complete
- 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. Provided guidance regarding the availability and appropriateness of highway data to assist OIT in its implementation of the SYP redevelopment. 90% Complete
- 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. Recommended appropriateness of data items for use in data screening methods. Oversaw the Highway Plan "Data Verification" phase. 100% Complete
- Assist with analyses of highway system performance and the Unscheduled Projects List. Provide an up-to-date route network for locating Unscheduled Projects. Maintained up-to-date route network location of Unscheduled Projects. Created HIS data extraction procedures to satisfy Highway Plan project scoring. 100% Complete
- Update Rating Indices, Capacities, and Volume/Service Flow ratios in the HIS database and distribute to customers. Generated new capacity and V/SF values and made available to internal data customers. Final determination on best method for incorporating these into HIS was completed. 100% Complete
- Improve production methods used to calculate Rating Indices, Capacities, and Volume/Service Flow ratios. Implemented the capacity and V/SF tool created by the Kentucky Transportation Center (KTC) to calculate the new capacity and V/SF values. 100% Complete
- Quarterly meeting with FHWA. Process and submit annual HPMS report. HPMS submitted on time, June 16th (2,301 sample sections). Gathered and processed data from other areas of the Cabinet. 100% Complete
- Improve HPMS submittal production methods. Investigate results of HPMS report and analyze potential process changes to improve submittal. Generated the HPMS data extract using Bentley's TIG tool, resulting in improved data extraction methods. 100% Complete

## CHAPTER 6

## Highway Information System

### RESPONSIBLE UNIT

Division of Planning  
Data Management Branch

### PROPOSED ACTIVITIES FOR 2024-2025 (continued)

- Maintain currency of HPMS software and update procedures as required by federal legislation, regulations, policies, and/or guidelines. **Used web-based HPMS 8.0 and followed software validations and requirements. Used the latest edition of the HPMS Field Manual. Updated data storage model to reflect HPMS guidelines. 100% Complete**
- Coordinate with other Cabinet Divisions regarding their asset management needs. Assist with Cabinet-wide asset management data collection and data dissemination. **Coordinated data collection and dissemination efforts with Divisions of Maintenance, Traffic Operations, Highway Design, Right of Way and Utilities, Program Management, Motor Carriers, and Rural and Municipal Aid. Generated 51 maps for resolving road ownership and highway data questions caused by road construction impacts. Updated metadata in HIS to communicate information about data collection and usage to customers. 100% Complete**
- 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. **Worked with OIT testing several HIS database fixes to confirm product reliability and functionality prior to installation. 100% Complete**
- Work with OIT to improve HIS data exchange with TED and other Cabinet databases. **Worked with TED and GIS Branches in OIT for reporting, mapping, and sharing of HIS data within the Cabinet. Supported OIT's implementation of new routines to more efficiently exchange data between HIS and TED. Continued development of a link between HIS and the Division of Maintenance's OMS/PMS databases (Bentley Systems contract). 98% Complete**
- Review Functional Classification in cooperation with Highway Districts and MPO's. Review Functional Classification change requests from Highway Districts and other external entities. **Updated HIS data to reflect FS changes. 100% Complete**
- Coordinate changes to the NHS and Strategic Highway Network following proper procedures for approval from FHWA and the Department of Defense. **No requests were received. 100% Complete**
- Process Superload route network changes to support the Department of Vehicle Regulation's overweight/over-dimensional permitting procedures. **Superload implementation in production with route network changes made when necessary. The related training for this task is currently completed. The production environment went live in FY 2020. 100% Complete**

### PRODUCTS

- HPMS Interstate Data Submittal by April 15 **Submitted April 14th. 100% Complete**
- Certification of Public Road Mileage by June 15 **Submitted June 16th (79,678 centerline miles). 100% Complete**
- HPMS Non-Interstate Data Submittal by June 15 **Submitted June 16th (2,301 sample sections). 100% Complete**
- HPMS Travel Time Metric (TTM) by June 15 **Submitted June 15th. 100% Complete**
- Up-to-date and accurate route network locations, route lengths, and highway data to support Cabinet Performance Measures and Asset Management activities **Provided information to customers inside and outside the Cabinet with timely updates. 100% Complete**

## CHAPTER 6

## Highway Information System

### RESPONSIBLE UNIT

Division of Planning  
Data Management Branch

### PRODUCTS (continued)

- Maps for resolving road ownership and highway data questions caused by road construction. **51 maps created. 100% Complete**
- Official Cabinet Route Logs **Updated timely due to on-the-ground changes. 100% Complete**
- Unscheduled Project locations and Highway Plan data screening outputs **Updated timely due to on-the-ground changes. 100% Complete**
- Rating Indices, Capacities, and Volume/Service Flow ratios **Generated new capacity and V/SF values and made available to internal data customers. 100% Complete**
- Route network and highway data Change Reports reflecting HIS processing activities **Completed in a timely manner for each processing activity that required notification to other stakeholders. 100% Complete**
- Queries and routines for quality control of HIS data **Reviewed Quality Assurance report weekly and parameter-based inquiry (PBI) and TIG results monthly. 100% Complete**
- Functional Classification change requests **Updated HIS data to reflect FS changes. 100% Complete**

### DISTRIBUTION OF ESTIMATED COST FOR 2024-2025

	2024-2025	Expended	Percent Expended
<b>PERSONNEL</b>	<b>\$950,000</b>	<b>\$815,000</b>	<b>86%</b>
<b>OUTSOURCING</b>	<b>\$570,000</b>	<b>\$440,165</b>	<b>77%</b>
<b>OTHER</b>	<b>\$60,000</b>	<b>\$37,790</b>	<b>63%</b>
<b>TOTAL</b>	<b>\$1,580,000</b>	<b>\$1,292,955</b>	<b>82%</b>

### 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. We continue to evaluate the policy and procedures for each study, placing emphasis on the KYTC's push for Performance Based Flexible Solutions (PBFS) as well as Complete Streets, Roads, and Highways. The Planning Guidance Manual enshrines these procedures. 100% Complete
- Conduct corridor, system, small urban area, district- and state-wide connectivity and accessibility, data needs analyses (DNA), and other studies. For a list of active studies and percent complete, please see the PRODUCTS below.
- Oversee outsourced activities and respond to inquiries about corridor planning issues. All inquiries to planning studies are responded to in a timely manner. Recently completed studies are available online for the public to view and posted on ProjectWise. 100% Complete
- Identify, evaluate, and prioritize corridor, system, and small urban area needs through data analysis and public involvement. Corridor and Small Urban Area Studies involve the identification, evaluation, and prioritization of recommended roadway improvements through data analysis and involvement from the public, and/or local officials/stakeholders advisory committees. 100% Complete



## CHAPTER 7

## Strategic Corridor Planning

### RESPONSIBLE UNIT

Division of Planning  
Strategic Planning Branch  
Strategic Corridor Planning Team

### PROPOSED ACTIVITIES FOR 2024-2025 (continued)

- 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. CHAFs are developed for long-term needs identified through our corridor and Small Urban Area studies. Our studies also provide cost estimates to be used in programming. 100% Complete
- Initiate and 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. The Creating Vibrant Communities (CVC) program is providing technical assistance to four entities which had been lacking cohesive plans and visions for selected portions of their communities. Three reports are complete, with the final expected in Fall 2025. 95% Complete
- Participate on interdisciplinary project teams to support effective project scoping activities. Staff participate on project teams through Preliminary Line & Grade to maintain connectivity between Planning and Highway Design. 100% Complete
- Participate on national and international committees, including for AASHTO, TRB, and PIARC. Staff are participating members of the AASHTO Committee on Planning, the TRB AQB14 Standing Committee on Communications and Public Engagement, and PIARC TC 2.2 on Rural Roads. 100% Complete

### PRODUCTS<sup>+</sup>

<sup>+</sup>Product's primary focus is Complete Streets

17 studies were completed during the period of July 1, 2024, to June 30, 2025, by consultants. The completed studies are as follows:

- Statewide Interstate & Parkway Plan, Statewide – July 2024 (SPR)
- KY 716 Corridor Study, Boyd Co. – 9-180.00 – July 2024
- KY 290 Corridor Study, Jackson Co. – 11-80202.00 – July 2024
- Newport Two-Way Feasibility Study – 6-377.00 – September 2024<sup>+</sup>
- Turkey Neck Bend Bridge Feasibility Study, Monroe Co. – 3-80200.00 – September 2024
- Clays Ferry Bridge Closure Detour Study, Various Cos. – 7-264.00 – October 2024
- KY 177 Corridor Study, Pendleton Co. – 6-80258.00 – October 2024
- KY 321 Corridor Study, Johnson Co. – 12-80116.00 – October 2024
- Franklin SUA Study, Simpson Co. – November 2024 (SPR)<sup>+</sup>
- KY 32 Corridor Study, Nicholas Co. – 9-8812.00 – December 2024
- US 460 Corridor Study, Johnson/Magoffin Cos. – 10-80101.00 – December 2024
- I-64 Interchange & Connector Study, Jefferson/Shelby Cos. – 5-80000.00 – December 2024
- US 25 Corridor Study, Laurel Co. – 11-181.00 – February 2025 (SPR)<sup>+</sup>

**CHAPTER 7****Strategic Corridor Planning****RESPONSIBLE UNIT**

Division of Planning  
Strategic Planning Branch  
Strategic Corridor Planning Team

**PRODUCTS (continued)**

- I-75 Programming Study, Whitley Co. – 11-1.00 – February 2025
- Plantside Drive Extension Study, Jefferson Co. – 5-80003.00 – February 2025
- Kentucky's Wildlife-Vehicle Collision Reduction Plan, Statewide – June 2025
- US 51 Corridor Study, Various Cos. – June 2025 (SPR)

Ongoing studies and their respective status at the end of FY 2025 are as follows:

<u>County(ies)</u>	<u>Route</u>	<u>Item No.</u>	<u>% Complete</u>
Hardin	KY 3005	4-80250.00	99%
Clay, Laurel, Leslie, Perry	HR 9006	11-183.00	90%
Christian	KY 115	2-10.00	85%
Jessamine	US 68	7-80251.00	85%
Lincoln	KY 1194	8-80203.00 (SPR)	85%
Oldham	PS 1033	5-588.00	85%
Ballard, McCracken	KY 286	N/A (SPR)	75%
Fayette	US 27	7-453.00 (PL/SPR)	75%
Fayette, Franklin, Jefferson	I-64	5-577.00	70%
Shelby			
Trimble	KY 36	N/A (SPR)	65%
Johnson	KY 172	12-171.00	65%
Barren	US 31EX	N/A (SPR)	60%
Boone	KY 14	N/A (SPR)	60%
Fayette	CS 1329/CS 1379	N/A (SPR)	50%
Trigg	KY 139/KY 276	1-147.00	50%
Pulaski, Rockcastle	KY 461	N/A (SPR)	45%
Caldwell, Christian, Lyon	I-24	2-11.00	40%
McCracken, Trigg			
Campbell	I-471	6-79.00	40%
Daviess	I-165	2-80312.00	40%
Fayette	US 27	7-464.00 (SPR)	40%
Franklin	US 127	5-80201.00	30%
Jefferson	KY 1065	5-80203.00	30%
Bell	US 119	N/A (SPR)	25%
Boyd	US 23	N/A (SPR)	15%
Jefferson	I-65	5-560.00	15%
Jefferson	KY 3082	5-80353.00	15%
Leslie	KY 257	11-80305.00	15%
Taylor	KY 210	N/A (SPR)	15%



## CHAPTER 7

## Strategic Corridor Planning

### RESPONSIBLE UNIT

Division of Planning  
Strategic Planning Branch  
Strategic Corridor Planning Team

### PRODUCTS (continued)

<u>County</u>	<u>Small Urban Area</u>	<u>Item No.</u>	<u>% Complete</u>
Clark	Winchester	N/A (SPR)	30%
<u>Special Study</u>		<u>Item No.</u>	<u>% Complete</u>
Resiliency Plan Update		N/A	99%
Paducah MPO Transit Study		N/A	99%
Creating Vibrant Communities Program		N/A (SPR)	95%
D10 Roadslide/Rockfall Study		10-188.00 (SPR)	85%
Paducah MPO MTP		N/A	85%
Dam Study		N/A (SPR)	60%
D1 Roadway Transfers		N/A (SPR)	30%

Many of the current studies are large-scale efforts that have included or will include agency coordination and significant public involvement activities. All studies have required or will require coordination with the Highway District Offices and Area Development District Offices to assemble the project team, provide input on study issues, assist with scheduling meetings, and review reports. The Area Development District Offices will also develop Socioeconomic Studies for many of the studies to better inform future project teams.

Those projects listed above followed by (SPR) were funded with SPR Work Program funds. In addition, some SPR funding was used for management, oversight, and review of strategic corridor planning activities.

Summarizing, 53 projects have been worked on during the past fiscal year, with 17 being completed and 36 in various stages of completion. With the start of the new fiscal year, additional studies will soon begin.

- **Data Needs Analysis (DNA) Studies**

Prior to Advertisement, a DNA study will be completed for all new ‘capital’ projects in the Highway Plan that have not been the subject of a planning study. Two DNA Studies completed by District and Central Office Planners in FY 2025. These studies include the projects identified by Item Nos. 3-20.00 and 3-80300.00. 100% Complete

- Priorities for Highway Plan Programming that are sustainable and fundable. The above listed studies include improvement concept development leading to future projects for programming or continuing phases of project development. The 2026 SHIF'T process used a data-driven process to score and prioritize projects for the recommended highway plan in response to this sustainable and fundable priority need. 100% Complete

## CHAPTER 7

## Strategic Corridor Planning

### RESPONSIBLE UNIT

Division of Planning  
Strategic Planning Branch  
Strategic Corridor Planning Team

### PRODUCTS THROUGH VARIOUS GRANT AGREEMENTS<sup>+</sup>

<sup>+</sup>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>Item No.</u>	<u>% Complete</u>
City of Frankfort <sup>+</sup>	US 60	5-3043.00	50%

### DISTRIBUTION OF ESTIMATED COST FOR 2024-2025

	2024-2025	Expended	Percent Expended
<b>PERSONNEL</b>	<b>\$1,625,000</b>	<b>\$1,433,499</b>	<b>88%</b>
<b>OUTSOURCED PERSONNEL</b>	<b>\$1,845,000</b>	<b>\$1,638,376</b>	<b>89%</b>
<b>OTHER</b>	<b>\$30,000</b>	<b>\$725</b>	<b>2%</b>
<b>TOTAL</b>	<b>\$3,500,000</b>	<b>\$3,072,600</b>	<b>88%</b>

### 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. **Ongoing review. 100% Complete**
- Implement recommendations from the 2022-2045 Kentucky LRSTP. **Ongoing work. 100% Complete**
- Review and update the Public Involvement Process (23 CFR 450.210) as needed. Develop and implement processes as needed to ensure BIL/IIJA compliance. **Ongoing activity. Requested proposals for Public Involvement Plan Update in November 2024. Currently in process of updating Public Involvement Plan. 10% Complete**
- Coordinate with other transportation modes, Land Management Agencies, environmental, and other resource agencies as needed. **Ongoing activity. Attended multi-modal planning committee meetings and worked directly with the ADDs, MPOs, and HDOs to obtain and confirm data used in the Continuous Highway Analysis Framework (CHAF) projects database as part of the project prioritization process. 100% Complete**
- Enhance the statewide transportation planning process by including data collection and analysis, public involvement, and coordination. **Continuing Activity. Maintained the CHAF database with assistance from ADDs, MPOs, and HDOs. Maintained the Division of Planning website at <https://transportation.ky.gov/Planning/Pages/default.aspx>, with direct links to the LRSTP and PIP. With continued assistance from ADDs, MPOs, and HDOs, the Highway Performance Monitoring System (HPMS) and Planning's Highway Information System (HIS) databases were spot-checked. 100% Complete**

## CHAPTER 8

## Statewide Transportation Planning

### RESPONSIBLE UNIT

Division of Planning  
Strategic Planning Branch  
Statewide Planning Team

### KYTC Activities (continued)

- Recommend sustainable and fundable projects as part of the prioritization process through performance-based planning. Ongoing Activity. SHIFT sponsorship process occurred from January to May. HDOs, ADDs, and MPOs completed individual meetings with local officials and identified CHAFs for sponsorships through RTC and MPO meetings, 100% Complete
- Assist in the development of the Governor's Recommended Highway Plan including update of project scoring, prioritization processes, and other methods as needed. Ongoing. Scoring for non-motorized mobility and Asset Management was updated. Schedule was updated to reflect deadline placed by State Legislature. 80% Complete
- Maintain and oversee further development of the Continuous Highway Analysis Framework (CHAF) database, a tool used in project prioritization and analysis. Continuing activity to review, update, and improve upon the CHAF database to provide current project information. 100% Complete
- Coordinate with other Divisions, HDOs, and Agencies and incorporate applicable plans as necessary to ensure compliance with BIL/IIJA. Ongoing activity. Coordinated through the SHIFT prioritization process to identify data driven projects using identified performance measures. 100% Complete
- Coordinate with and assist the HDOs as needed during the Prioritization Process. Ongoing activity. Coordinating with planning partners to document SHIFT prioritization approach and outcomes. 100% Complete
- Coordinate and oversee the ADD Regional Transportation Program. Ongoing activity. Executed new contracts. Advised and provided expectations for deliverables throughout the year either through email or teams meetings. Attended Regional Transportation Committee (RTC) meetings to observe, provide feedback, and advised RTC members about the Statewide planning process. Completed invoice reviews for payment. Conducted ADD assessments in December and July of the fiscal year. 100% Complete.

### 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. The Division prepared the Annual Work Plan for the ADDs and awarded all ADD contracts by the end of June. 100% Complete
- Participate in an Annual Assessment Review to evaluate ADD performance. The Division reviewed and conducted the assessments of the ADDs at mid fiscal year (December) and at the end of the fiscal year (June). 100% Complete
- Update Bicycle and Pedestrian Asset database. The Bicycle and Pedestrian Asset database was updated with the assistance of our ADD partners in September. 100% Complete

## CHAPTER 8

## Statewide Transportation Planning

### RESPONSIBLE UNIT

Division of Planning  
Strategic Planning Branch  
Statewide Planning Team

### ADDs Activities (assisting KYTC) (continued)

- Coordinate and note speaking engagements with other Planning Agencies and Groups. Speaking engagements held with various local agencies/groups across the state coordinated and delivered by the ADD planners. 100% Complete
- Coordinate Regional Transportation Committee (RTC) Meetings. Three minimum RTC meetings were coordinated by ADD planners. 100% Complete
- Review Regional Goals and Objectives. The Regional Goals and Objectives were reviewed and updated with the assistance of the ADD planners in October. 100% Complete
- Review RTC Bylaws and maintain Membership List. The RTC Bylaws and Membership List was reviewed and updated with assistance from ADD planners by October. 100% Complete
- Plan RTC activities. ADD completed the RTC activities. 100% Complete
- Lead KYTC Statewide Transportation Planning Meetings and attend other approved training. STP meetings were held and attended with ADD, MPO, and HDO planners in July 2024, October 2024, January 2025, and April 2025. One meeting was held in Ashland and highlighted a recently completed complete streets project with a walking tour. Other approved training documented in Chapter 2 Training accomplishments. 100% Complete
- Maintain and update List of Rail Freight Loading/Unloading locations. The List of Rail Freight Loading/Unloading locations was reviewed and updated in February. 100% Complete
- Perform socioeconomic updates. The socioeconomic profiles for each ADD were reviewed and updated in June. 100% Complete
- Maintain a Public Involvement Process. Public Involvement Plans were updated in June. 100% Complete
- Review and update project information in the CHAF database. 14 new CHAFs created per request from ADD planners. Ongoing revisions of existing CHAFs. 100% Complete
- Maintain and provide a List of Contacts. The List of Contacts was reviewed and last updated in January. 100% Complete
- Assist KYTC as needed on special projects. ADDs attended meetings and assisted with planning studies in their respective areas. See Chapter 7, Corridor Planning Accomplishments, for a complete list of projects for this period. 100% Complete
- Perform regional data collection and/or analysis (as needed). Data collection ongoing for work program deliverables. 100% Complete
- Conduct a major update to the following in this fiscal year:
  - NHS Intermodal Connectors. Reviewed and updated. 100% Complete
  - KY Highway Freight Network. Reviewed and updated. 100% Complete
  - Major Freight Users and Major Traffic Generators. Reviewed and updated. 100% Complete

## CHAPTER 8

## Statewide Transportation Planning

### RESPONSIBLE UNIT

Division of Planning  
Strategic Planning Branch  
Statewide Planning Team

### PRODUCTS

#### KYTC Products:

- LRSTP review and update with demographic component and report, LRSTP Initial Public Outreach Survey Report, LRSTP Draft Survey Report (as needed). **Not needed. 100% Complete**
- Transportation Cabinet Strategic Plan Update (as needed). **Not needed. 100% Complete**
- Maintain CHAF database. **The Continuous Highway Analysis Framework (CHAF) database updated with help from planning partners' reviewing and updating their project information in the continuous development of the SHIFT prioritization process. 100% Complete**
- Annual Work Programs (AWP) and Contracts for 15 Area Development Districts. **Completed revisions for the ADD work program and forwarded for signatures. Clarified ADD deliverables and their due dates, and reviewed deliverables for completeness. 100% Complete**
- Quarterly Statewide Transportation Planning Meetings. **The Division conducted quarterly STP meetings in July 2024, October 2024, January 2025, and April 2025. 100% Complete**
- Annual Individual ADD Planner Assessments (15 ADDs). **The Division reviewed and assessed the ADDs during December and June. 100% Complete**
- Public Involvement Plan (PIP) Update (as needed). **Ongoing activity. Requested proposals for Public Involvement Plan Update in November 2024. Currently in process of updating Public Involvement Plan. 10% Complete**
- Statewide & Regional SHIFT Process and data that support the Governor's Recommended Highway Plan. **100% Complete**
- Annual Performance and Expenditure Report. 23 CFR 420.117. **100% Complete**
- Rural Consultation Report (CFR 450.210b requires every 5 years; next submittal due by February 16, 2026) **Ongoing activity. KYTC is in process of conducting the Rural Consultation survey. 50% Complete**

#### ADDs Products (assisting KYTC)

- Regional Goals and Objectives Update **100% Complete**
- AWP Timeline **100% Complete**
- Allocation of Resources (staff, salary, percent time charged, and percent overhead/administrative charges) **100% Complete**
- Annual Assessment Results **100% Complete**
- Quarterly Progress Report **100% Complete**
- RTC Agenda, Meeting Minutes, Bylaws and Committee Activities Plan **100% Complete**
- Projected Training List **100% Complete**
- Public Involvement Plan **100% Complete**
- Socioeconomic Profiles **100% Complete**
- Socioeconomic Studies (upon request) **Completed 8 Socioeconomic Studies for FY 25**
- List of Resources **100% Complete**
- Materials for Special Studies (as needed) **100% Complete**
- List of Rail Freight Loading/Unloading Locations **17 updates. 100% Complete**

## CHAPTER 8

## Statewide Transportation Planning

### RESPONSIBLE UNIT

Division of Planning  
Strategic Planning Branch  
Statewide Planning Team

- **ADDs Products (assisting KYTC) (continued)**
- Regional data collected and/or analyzed (as needed) 100% Complete
- Provide the following major updates this fiscal year:
  - NHS Intermodal Connectors 10 updates approved by FHWA. 100% Complete
  - KY Highway Freight Network 101 updates. 100% Complete
  - Major Freight Users 172 updates. 100% Complete
  - Major Traffic Generators 1,173 updates. 100% Complete

### DISTRIBUTION OF ESTIMATED COST FOR 2024-2025

	2024-2025	Expended	Percent Expended
<b>PERSONNEL</b>	<b>\$1,947,000</b>	<b>\$2,121,202</b>	<b>109%</b>
<b>OUTSOURCED PERSONNEL</b>	<b>not listed</b>	<b>\$226,226</b>	<b>infinite</b>
<b>OTHER</b>	<b>\$53,000</b>	<b>\$2,217</b>	<b>4%</b>
<b>TOTAL</b>	<b>\$2,000,000</b>	<b>\$2,349,645</b>	<b>117%</b>

### 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. **Administered existing contracts and drafted new contracts. 100% Complete**
- 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. **Provided technical assistance, oversight, and review on an ongoing basis. Assisted the Paducah MPO in the development of their first Metropolitan Transportation Plan and the creation of a new travel demand model. Completed approval of the new Paducah metropolitan planning area boundary. Provided obligations data to the MPOs for preparation of their annual listings of obligated projects. Participated in Kentucky, Tennessee, and OKI air quality interagency consultation calls. 100% Complete**
- Represent the Cabinet at technical, policy, and other committee meetings, and at certification reviews. **Attended multiple MPO meetings, including those of technical, policy, bike/pedestrian, safety, and congestion management committees and workgroups. Participated in the Evansville MPO certification review. 100% Complete**
- 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. **Participated in the OKI Prioritization Subcommittee and assisted the Clarksville MPO with project selection for their new TMA dedicated funds. Participated in regional planning meetings for the Bluegrass and OKI regions. Participated in the Paducah Transit Study. Coordinated with MPOs on the identification and scoring of projects for SHIFT. 100% Complete**
- Participate in planning studies affecting the metropolitan planning areas, including planning studies for rural and small urban areas near metropolitan planning area boundaries. **Participated in studies for US 60/KY 180 in Boyd County; US 68 in Jessamine and Mercer counties; 2<sup>nd</sup> and Short Street conversion in Lexington; KY 14 in Boone County; and the proposed I-165 interchange near Owensboro. 100% Complete**



## CHAPTER 9

### Metropolitan Planning Organizations (Areas over 50,000 Population)

#### RESPONSIBLE UNIT

Division of Planning  
Strategic Planning Branch  
MPO Team

#### PROPOSED ACTIVITIES FOR 2024-2025 (continued)

- Prepare for afternoon sessions of quarterly Statewide Transportation Planning meetings with MPOs, to include discussions on current metropolitan planning issues. **Prepared for the MPO afternoon sessions for quarterly Statewide Transportation Planning meetings and conducted follow-up activities including preparation of meeting notes. 100% Complete**
- 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. **Coordinated with MPOs on performance targets as needed. 100% Complete**
- Develop and update metropolitan planning agreements and performance-based planning procedures, as needed. **Monitored legislative and policy changes to identify any required changes to agreements and procedures. 100% Complete**
- Submit MPO amendments and administrative modifications to Program Management for processing. **Submitted multiple amendments and administrative modifications to Program Management for incorporation into the STIP. 100% Complete**

#### PRODUCTS

- Contracts with ten MPOs and other LPAs to carry out planning activities in the metropolitan planning areas. **Contracts in place with all ten MPOs and Louisville Metro.**
- PL Formula Distribution Letter/E-mail to FHWA after agreement from MPOs. **Submitted proposed PL formula distribution to FHWA via e-mail following consultation with MPOs at January STP meeting.**
- Special studies as needed. **No special studies undertaken.**

#### DISTRIBUTION OF ESTIMATED COST FOR 2024-2025

	2024-2025	Expended	Percent Expended
<b>PERSONNEL</b>	<b>\$765,000</b>	<b>\$751,293</b>	<b>98%</b>
<b>OUTSOURCED PERSONNEL</b>	<b>\$5,000</b>	<b>\$1,921</b>	<b>38%</b>
<b>OTHER</b>	<b>\$5,000</b>	<b>\$0</b>	<b>0%</b>
<b>TOTAL</b>	<b>\$775,000</b>	<b>\$753,214</b>	<b>97%</b>

**CHAPTER 9**

Metropolitan Planning Organizations  
(Areas over 50,000 Population)

**RESPONSIBLE UNIT**

Division of Planning  
Strategic Planning Branch  
MPO Team

**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. **HPMS reporting completed through participation in the AASHTO Performance Management Technical Service Program. 100% Complete**

#### **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. **HPMS reporting complete through participation in the AASHTO Performance Management Technical Service Program. Freight Bottlenecks still to be completed for this round of reporting. 80% Complete**

#### **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. **HPMS reporting complete through participation in the AASHTO Performance Management Technical Service Program. MPO Targets not due this year. 100% Complete**
- 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. **Not aware of any changes from MPOs. 100% Complete**

#### **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. **100% Complete**

## CHAPTER 10

## Performance Measures and Congestion/Mobility Analysis

### RESPONSIBLE UNIT

Division of Planning  
Multimodal Programs Branch

### PROPOSED ACTIVITIES FOR 2024-2025 (continued)

- Work with the Kentucky Transportation Center to linear reference non-NPMRDS data with Kentucky's HIS system. **This task has recently started. 5% Complete**
- 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. **100% Complete**

#### 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. **This task is continuously ongoing. New data is created every month. Conflation component may be folded into the other conflation work that KTC is doing after conclusion of their conflation study. 100% Complete**
- 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. **Project delays for project due to move from TxDOT to MnDOT. A contract is imminent. 0% Complete**
- Participate in Performance Measure educational opportunities including monthly webinars, as available. **100% Complete**

#### PRODUCTS

- Annual percent of the person-miles traveled on the Interstate System providing for Reliable Travel. **Provided via the AASHTO Transportation Performance Management (TPM) Technical Service Program Project. 100% Complete**
- Annual percent of the person-miles traveled on the non-Interstate NHS providing for Reliable Travel. **Provided via the AASHTO Transportation Performance Management (TPM) Technical Service Program Project. 100% Complete**
- Annual Truck Travel-time Reliability factor for the Interstate System. **Provided via the AASHTO Transportation Performance Management (TPM) Technical Service Program Project. 100% Complete**
- Annual percent of the Interstate System in urbanized areas with a population over 1 million, where person hours of excess delay occur. **Provided via the AASHTO Transportation Performance Management (TPM) Technical Service Program Project. 100% Complete**
- Investigate what level the travel time data can be shared with KYTC staff, partners, and public. **100% Complete**
- Incorporate necessary findings from AASHTO Census Transportation Solutions. **100% Complete**
- Reports and targets as specified in the final PM3 rulemaking. **100% Complete**
- Submit PM3 results for inclusion with annual HPMS reports. **100% Complete**

**CHAPTER 10**

## Performance Measures and Congestion/Mobility Analysis

**RESPONSIBLE UNIT**Division of Planning  
Multimodal Programs Branch**DISTRIBUTION OF ESTIMATED COST FOR 2024-2025**

	<b>2024-2025</b>	<b>Expended</b>	<b>Percent Expended</b>
<b>PERSONNEL</b>	<b>\$12,000</b>	<b>\$27,794</b>	<b>232%</b>
<b>OUTSOURCED PERSONNEL</b>	<b>\$152,000</b>	<b>\$86,898</b>	<b>57%</b>
<b>OTHER</b>	<b>\$26,000</b>	<b>\$0</b>	<b>0%</b>
<b>TOTAL</b>	<b>\$190,000</b>	<b>\$114,692</b>	<b>60%</b>

**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 Engine

## 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. **No requests this timeframe. 100% Complete**
- Monitor AQ data submissions to other agencies – Federal, state, local, and academic research. **Reviewed AQ conformity analysis reports from State, Federal, and Local agencies for the AQ affected area(s): Cincinnati, KYOVA, Louisville and Clarksville MPOs. 100% Complete**
- 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. **No requests from DAQ. 100% Complete**
- 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. **No requests on MVEBs. 100% Complete**
- 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. **Worked with KYTC-OIT to develop annual update. Responses to several requests related to VIN/Fleet data (mostly for EV purposes). 100% Complete**
- Maintain expertise in MOVES5 (or current AQ model). Perform the emissions model analysis for ozone and PM<sub>2.5</sub> regional conformity analyses. and Green House Gases (GHGs) as needed. **100% Complete**
- Prepare Cabinet responses to citizen/agency inquiries for signature by Governor, Secretary, or Director. **No requests made. 100% Complete**
- Attend necessary meetings and conferences to stay abreast of AQ issues. **100% Complete**
- 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<sub>2.5</sub> standards, air quality regulations, and implementation guidance. **Staying abreast of the impending new NAAQS for PM<sub>2.5</sub> and Ozone. 100% Complete**
- 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. **Continued to inform executive leadership on current or future changes concerning AQ. 100% Complete**

## CHAPTER 11

## Air Quality

### RESPONSIBLE UNIT

Division of Planning  
Multimodal Programs Branch

### PROPOSED ACTIVITIES FOR 2024-2025 (continued)

- Educate local governments regarding transportation impacts after adoption of new NAAQS. **No new NAAQS. 100% Complete**
- Implement significant update to AQ Website. **50% Complete**
- Develop and maintain a KYTC AQ email listserv. **No changes. 100% Complete**
- 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. **Participated in quarterly meetings. 100% Complete**
- 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. **No new programs required. 100% Complete**
- Coordinate with team members (travel demand modelers) to ensure all AQ TDM model data is ready for MOVES use. **No requests made from regional partners during timeframe. 100% Complete**
- Assist with Performance Measures as it pertains to AQ. **No requests made during timeframe. 100% Complete**
- Maintain Park-n-Ride database for citizen/agency inquiries. **100% Complete**
- Develop and submit annual Alternative Fuel Corridor (AFC) application, requiring both internal and external coordination of state and local agencies. **No AFC application round due to pause on program. 100% Complete**
- Develop and maintain working knowledge of quickly changing performance measures required by BIL and potential AQ impacts. **Several FHWA changes related to BIL. 100% Complete**
- Coordinate special AQ/MOVES training when needed. **No trainings needed. 100% Complete**
- 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. **No participation in any CMAQ applications. 100% Complete**
- Participate in Congestion Management, Mobility, Speed, VMT, Green Initiatives, and Safety teams as needed. **No participation needed. 100% Complete**
- Assist with performance related AQ measures, as needed. **100% Complete**
- Manage National Electric Vehicle Infrastructure (NEVI) Formula Fund Program. **Several changes regarding NEVI Program, but current with guidance to manage Program. 100% Complete**
- Manage Carbon Reduction Strategy development for the Carbon Reduction Program (CRP). **Carbon Reduction Strategy submitted in November 2023 remains compliant. 100% Complete**
- Update the KY EV Infrastructure Deployment Plan (EVIDP) through duration of NEVI Program, requiring extensive stakeholder outreach, as needed. **Submitted FY 2025 EVIDP in July 2024. Awaiting guidance to determine future status of EVIDPs. 100% Complete**
- 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. **Participated in several committees across the nation regarding EVs. 100% Complete**
- Maintain EV Website. **Website constantly undergoing updates. 100% Complete**

## CHAPTER 11

## Air Quality

### RESPONSIBLE UNIT

Division of Planning  
Multimodal Programs Branch

### PROPOSED ACTIVITIES FOR 2024-2025 (continued)

- Manage and oversee construction of EV Charging sites by developers from groundbreakings to operational. In total, 46 sites have been awarded. Three sites are operational (Richmond, September 2024; Berea, February 2025; Hazard, June 2025) with several more sites soon to be in construction. 100% Complete
- 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). Paused in January 2025, awaiting federal guidance for program. 100% Complete
- Monitor changes and maintain a clearinghouse of EV knowledge. Continue to be main hub of information regarding NEVI to keep KYTC executive leadership updated on program. 100% Complete
- Other duties and special projects as assigned. 100% Complete

### PRODUCTS

- Ozone and PM<sub>2.5</sub> regional conformity analysis as required for projects in nonattainment and maintenance areas. 100% Complete
- Assist SPAC Branch as needed for statewide and planning documents. 100% Complete
- AQ Data to DAQ or other agencies as requested. 100% Complete
- Emission calculations for CMAQ applications and GHGs as requested. 100% Complete
- VIN/Fleet data for use with MOVES and EV. 100% Complete
- KYTC AQ website. Undergoing update. 50% Complete
- Performance measures pertaining to AQ. 100% Complete
- New PM<sub>2.5</sub> and Ozone NAAQS. 100% Complete
- Annual Alternative Fuel Corridor Application to FHWA. 100% Complete
- Annual update to EVIDP Plan. 100% Complete
- Manage and oversee construction of EV Charging Sites. 100% Complete
- Manage outreach for NEVI post buildout approval (Phases 2 and 3). 100% Complete
- Oversee and distribute \$69 million over 5-year period (FY 2022 – FY 2026). 100% Complete
- Updated KY EV Infrastructure Deployment Plan to Joint Office (FHWA). 100% Complete
- Carbon Reduction Strategy. 100% Complete
- KYTC EV Website. 100% Complete
- Park-n-Ride database. 100% Complete

### DISTRIBUTION OF ESTIMATED COST FOR 2024-2025

	2024-2025	Expended	Percent Expended
PERSONNEL	\$148,000	\$145,420	98%
OTHER	\$2,000	\$82	4%
TOTAL	\$150,000	\$145,502	97%

#### 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. **With input from the Water Transportation Advisory Board, updated guidance document. 100% Complete**
- Review any KRI grant applications received, manage awarded projects, request completion documents as needed. **Received five applications. All five under contract and making progress towards completion. Updated information on the KRI website. 100% Complete**
- Develop guidelines for KPRCM grant applications as defined by House Bill 1. **Guidance document and application developed for KPRCM program. 100% Complete**
- Review any KPRCM grant applications received, manage awarded projects, request completion documents as needed. **Received fourteen applications. Each are under contract and at various stages of completion. 100% Complete**
- Provide staff support for the Water Transportation Advisory Board. **Held three meetings in FY 2025, provided meeting agendas and supplemental materials on WTAB webpage. 100% Complete**
- 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. **Participated in KAR meetings as requested and KBT Waterway Committee meetings. 100% Complete**
- Conduct annual on-site visits of active public river ports in the state, as travel restrictions allow. **Visited eight public riverports and participated in KAR meetings as requested. 100% Complete**
- Actively participate on the AASHTO Council on Water Transportation. **Participated in 11 virtual Council on Water steering committee meetings and virtual Fall Meeting in October. 100% Complete**
- 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. **Application revised and updated. No inquiries or applications were received. 100% Complete**
- Maintain Kentucky Riverports, Highway and Rail Freight Study, as needed. **Project completed in FY 2022 and all deliverables posted on website. Updates to webpage completed as needed. 100% Complete**

## CHAPTER 12

## Multimodal Freight Transportation

### RESPONSIBLE UNIT

Division of Planning  
Multimodal Programs Branch

### PROPOSED ACTIVITIES FOR 2024-2025 (continued)

- Coordinate with United States Coast Guard, US Corp of Engineers, and MARAD on issues impacting river ports. US Army Corps of Engineers and MARAD served on steering committee for Waterways Transportation Plan. Frequently communicated with MARAD on other waterway issues. 100% Complete
- Maintain KYTC's Riverports website. Regularly maintained and updated the Riverport Homepage, Riverport Facilities page, WTAB page, KPRCM page, KRI page, and the Riverport Highway, Rail, and Freight study page. 100% Complete
- Maintain and update Riverports GIS datasets and maps. Maintained and updated all Riverport datasets and maps; published new and updated materials on our website. Revamped public riverport dataset to include additional attribute fields. Provided public riverport and private port facilities datasets to OIT and DGI for use on their servers. 100% Complete
- Assist with update of Hickman-Fulton County Riverport Authority Master Plan. Contract in place. Consultant selected. Participant in future scoping meeting. 100% Complete
- Assist with update of Henderson County Riverport Authority Master Plan. Contract in place. Consultant selected. Participated in scoping and steering committee meetings. 100% Complete
- Update and expand Kentucky's US Marine Highway Routes. Submitted application narratives and letters of support for three new US Marine Highway Routes. Successfully designated three new routes with the US Maritime Administration: Big Sandy River M-23, Cumberland River M-24, and Green River M-165. Created an interactive web map for use with the US Marine Highway Grant Program. Created new webpage to house related content, documents, and the interactive map.

### Railroads

- Oversee KRCI grant program including maintaining program guidance, reviewing applications, and contract execution, as needed. FY 2025 solicitation issued; 27 total applications received. Nine crossings awarded. All contracts are fully executed. 100% Complete
- Coordinate with Division of Right of Way to administer KRCI projects as defined by the current budget bill. All FY 2025 grants transferred to Division of Right of Way, Utilities, and Rails for administration and oversight. 100% Complete
- Oversee KSLIP grant program including developing program guidance & application, reviewing applications, and administering KSLIP projects. Guidance document and application developed for KSLIP program. Received 12 applications, awarding eight. All under contract and at various stages of completion. 100% Complete
- Oversee KIASI grant program including developing program guidance & application, reviewing applications, and administering KIASI projects. Guidance document and application developed for KIASI program. Received 11 applications, awarding six. All under contract and at various stages of completion. 100% Complete
- Maintain statewide railroad GIS mapping and datasets using RR GIS, RR maps, RR annual reports, and aerial photographs. Performed maintenance on active rail centerline, rail yard, rail freight transfer facilities, rail maintenance facilities, and abandoned rail datasets. Updated rail centerlines with new data provided from operators' annual railroad reports. Created reports and provided data specifications upon request. Updated all rail maps for use in the Statewide Rail Plan. 100% Complete

## CHAPTER 12

## Multimodal Freight Transportation

### RESPONSIBLE UNIT

Division of Planning  
Multimodal Programs Branch

### PROPOSED ACTIVITIES FOR 2024-2025 (continued)

- Manage update of the KYTC Statewide Rail Plan and Infrastructure Assessment. **The Statewide Rail Plan was completed and submitted to the FRA in March 2025. The Infrastructure Assessment was completed last fiscal year and was updated as needed. Completed Rail Plan deliverables include PDF versions, GIS Story Map, and an interactive data dashboard. Created new webpage for the 2025 Rail Plan and uploaded all created content on the webpage. 100% Complete**
- Participate in various rail studies and research with KYTC involvement, as needed. **100% Complete**
- Collect railroad annual reports and rail accident/incident reports as directed in 603 KAR 7:090. **100% Complete**
- Actively participate on the AASHTO Council on Rail Transportation, American Railway Engineering and Maintenance-of-Way Association (AREMA), American Short Line & Regional Railroad Association (ASLRRA), and Kentucky Operation Lifesaver. **Participated in virtual AASHTO Rail Committee meetings and training webinars. Provided education grant to Kentucky Operation Lifesaver. 100% Complete**
- Monitor, track, and distribute information about railroad line abandonments in Kentucky. **None received in FY 2025. 100% Complete**
- Track and share (with KY Tourism, KY Economic Development, et. al.) information regarding rail abandonments, as appropriate. **None received in FY 2025. 100% Complete**
- Respond to public inquiries on passenger and freight rail issues. **Responded to all emails and phone calls regarding blocked crossings, poor crossing conditions, and rail location inquiries. 100% Complete**
- Maintain KYTC's Railroads website. **Completed regular updates to website content and uploaded current documents, forms, and maps. Created new webpage for 2025 Rail Plan. 100% Complete**

### General Freight

- Provide technical assistance and disseminate information to MPOs, ADDs, HDOs, and project teams regarding freight movement, planning, and safety. **Collaborated with MPOs, ADDs, and HDOs on freight projects and topics on several occasions. Provided continued one-on-one guidance for ADD Planners regarding all freight deliverables for ADD Work Program submissions. Collaborated with ADDs and MPOs to develop letters of support for new FHWA approved NHS intermodal connectors. 100% Complete**
- Evaluate, log, store, and update freight data from MPOs, ADDs, and HDOs as needed. **All data submittals reviewed, aggregated, and processed within the appropriate database. 100% Complete**
- Coordinate designations to the National Highway Freight Network and the National Multimodal Freight Network, as required by IIJA. **Updated, maintained, and reviewed as needed. Updated NHFN assets in Highway Information System (HIS) database as needed. Completed updated maps and published on website. Reviewed the draft National Multimodal Freight Network (NMFN) and provided comments to FHWA for modifications to Kentucky's portion. 100% Complete**

## CHAPTER 12

## Multimodal Freight Transportation

### RESPONSIBLE UNIT

Division of Planning  
Multimodal Programs Branch

### PROPOSED ACTIVITIES FOR 2024-2025 (continued)

- Review and maintain designation of the Kentucky Highway Freight Network. Updated, maintained, and reviewed as needed. Updated KHFN assets in Highway Information System (HIS) database as needed – 101 total updates. Completed updated maps and published on website. 100% Complete
- Review and maintain designation of the Kentucky Highway Freight Network. Updated, maintained, and reviewed as needed. Updated KHFN assets in Highway Information System (HIS) database as needed – 101 total updates. Completed updated maps and published on website. 100% Complete
- Participate in regional freight planning efforts. Participated in several planning studies with a freight component. Participated in Network Appalachia effort with Appalachian Regional Commission. 100% Complete
- 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. Attended MAFC and ITTS Annual Business Meetings in Kansas City. Participated in scheduled MAFC conference calls. Participated in monthly ITTS conference calls. Served on planning committee for the MAFC and ITTS joint conference and business meetings. Attended AASHTO Special Committee on Freight virtual Fall Meeting and virtual steering committee meetings. Attended monthly AASHTO Committee on Planning Freight Planning Task Force conference calls. Participated in monthly TETC Freight Data & Planning Work Group and Truck Parking Work Group meetings. 100% Complete
- Serve on ITTS Project Management Team for Regional Bottleneck Tool Update. Regular collaboration with the ITTS Project Team to successfully develop the GIS bottleneck and updated guidance document. 100% Complete
- 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. Visited ports, rail yards, truck parking locations, and distribution facilities. Communicate with all modes on movement of freight. 100% Complete
- Continue relationships with Economic Development to identify and promote intermodal freight opportunities and locations. Responded to transportation-related inquiries from Economic Development staff. Participated in standing quarterly meetings between KYTC and Economic Development. Economic Development representatives serve on KY Freight Advisory Committee and KIASI rail grant selection committee. 100% Complete
- Maintain Kentucky Freight Plan to IIJA compliance. Continued maintenance of completed IIJA/BIL compliant 2022 Kentucky Freight Plan approved by FHWA on May 3, 2023. All Freight Plan materials are available on the website. 100% Complete
- Review draft procedure and perform analysis for Freight Performance Measures. 100% Complete
- Maintain KYTC's Freight website. Performed regular updates on all multimodal freight webpages. Updated content, pictures, maps, and graphics. Created new US Marine Highway web page and integrated new interactive map for an engaging user experience. Uploaded reports, studies, and updated forms. 100% Complete

## CHAPTER 12

## Multimodal Freight Transportation

### RESPONSIBLE UNIT

Division of Planning  
Multimodal Programs Branch

### PROPOSED ACTIVITIES FOR 2024-2025 (continued)

- Maintain and update Freight GIS datasets and maps as needed. Completed updates and regular maintenance to all freight GIS datasets and maps. Created customized outputs to internal and external customers. Finished significant updates for Major Freight Users Inventory (172 updates), Major Traffic Generators (1,173 updates), Rail Yards/Transload Facilities (17 updates), and Truck Parking Facility Inventory (72 updates). 100% Complete
- Provide staff support for the KY Freight Advisory Committee for Transportation (KY FACT). Held virtual meeting February 20, 2025, and in-person meetings at RJ Corman Distribution Center on October 17, 2024, and at TMMK on June 18, 2025. Agendas and presentation materials uploaded to KFACT webpage. 100% Complete
- Maintain and update Critical Urban Freight Corridor and Critical Rural Freight Corridor networks, as needed. Worked with MPOs for CUFC updates to NHFN. Worked with ADDs for CRFF updates to NHFN. Utilized CUFC & CRFC data in the ITTS Bottleneck GIS Tool update. 100% Complete
- Maintain Kentucky Statewide Truck Parking Assessment and Action Plan, as needed. Maintained and updated as needed. Available on website with action items for each HDO. 100% Complete
- Manage I-75 Boone County Rest Area Truck Parking study. Held weekly progress meetings with consultant and provided feedback on design layouts. Collaborated and maintained regular contact with D6 personnel for design layouts, safety improvements, and preventative measures for illegal truck parking. 100% Complete
- 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. Processed all HIS updates for KHFN, NHFN, and NHS (intermodal connectors) assets as needed. Successfully coordinated 10 NHS intermodal connector modifications through submission to FHWA to include five new routes. 100% Complete

### Ferryboats

- Coordinate the Kentucky Ferryboat Program writing contracts, reviewing invoices, and compiling traffic counts. Executed FY 2026 contracts. Collected Ferry Annual reports. Compiled Annual Traffic Counts. 100% Complete
- 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. Three FBP projects completed, additional two in progress. Four applications submitted. 100% Complete
- Maintain and update Ferryboat (FB) asset in Highway Information System database (HIS) as needed. Maintained and updated Ferryboat data in the Highway Information System database information as needed. 100% Complete
- Maintain and update Ferryboats GIS datasets and maps, as needed. Maintained and updated Ferryboat GIS datasets. Updated and refreshed maps and regularly posted new content and updates on website. 100% Complete
- Collect ferry annual reports. Ferry annual reports submitted by all seven state funded ferries. 100% Complete

## CHAPTER 12

## Multimodal Freight Transportation

### RESPONSIBLE UNIT

Division of Planning  
Multimodal Programs Branch

### PROPOSED ACTIVITIES FOR 2024-2025 (continued)

- Conduct annual on-site visits of Kentucky ferryboat operations, as travel restrictions allow. 100% Complete
- Coordinate with United States Coast Guard, US Corp of Engineers, and MARAD on issues impacting all ferries. Visited seven state funded ferry operations, one federally funded ferry, and two privately funded ferry operations. 100% Complete
- Maintain KYTC's Ferryboat website. Routinely updated ferryboat webpages with the most current maps, data, information, and photos. 100% Complete

### PRODUCTS

- Kentucky Riverport Improvement projects/contracts. 100% Complete
- Kentucky Public Riverport Construction and Maintenance projects/contracts. 100% Complete
- Regularly updated multimodal freight, railroad, river port, and ferryboat GIS datasets and maps for KYTC and public purposes. Created and maintained new interactives maps for Rail Infrastructure and US Marine Highway Routes. Created and maintained data dashboard for rail asset inventories. 100% Complete
- Regularly updated freight network and multimodal assets in HIS database. 100% Complete
- Regularly updated freight, railroad, river port, and ferryboat webpages. Railroad, riverport, ferryboat, and multimodal freight webpages routinely updated and maintained. 100% Complete
- Annual Ferryboat Traffic Counts Report. 100% Complete
- Ferryboat operation and FBP awards, contracts, site inspections, and invoice review/approval. 100% Complete
- Updated Intermodal Connectors documentation, as appropriate. Contacted FHWA regarding minor corrections needed to KY's intermodal connectors listing. 100% Complete
- KFACT meetings as needed (three per year anticipated) and updated webpage. 100% Complete
- Contracts and guidance for KRCL. 100% Complete
- Kentucky Short Line Infrastructure Preservation projects/contracts. 100% Complete
- Kentucky Industrial Access and Safety Improvement projects/contracts. 100% Complete
- Updated webpage, meeting minutes, agendas, logistics, and guidance for Water Transportation Advisory Board. 100% Complete
- In-progress Kentucky Statewide Rail Plan update. Submitted to FRA in March. 100% Complete
- In-progress I-75 Boone County Rest Area Truck Parking Study 100% Complete
- In-progress Hickman-Fulton County Riverport Authority Master Plan update. 100% Complete
- In-progress Henderson County Riverport Authority Master Plan update. 100% Complete



**CHAPTER 12**

## Multimodal Freight Transportation

**RESPONSIBLE UNIT**Division of Planning  
Multimodal Programs Branch**DISTRIBUTION OF ESTIMATED COST FOR 2024-2025**

	<b>2024-2025</b>	<b>Expended</b>	<b>Percent Expended</b>
<b>PERSONNEL</b>	<b>\$255,000</b>	<b>\$226,141</b>	<b>89%</b>
<b>OUTSOURCED PERSONNEL</b>	<b>\$565,000</b>	<b>\$161,160</b>	<b>29%</b>
<b>OTHER</b>	<b>\$15,000</b>	<b>\$1,034</b>	<b>7%</b>
<b>TOTAL</b>	<b>\$835,000</b>	<b>\$388,335</b>	<b>47%</b>

**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

### Traffic Data Forecasting Statewide Transportation Modeling

#### RESPONSIBLE UNIT

Division 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. **Received 17 in-house Forecast Requests with 15 completed and two pending. 100% Complete**
- Administer statewide traffic forecasting contracts. Provide quality review for traffic projections prepared by the MPOs and consultants. **Provided quality review for forecasting projects prepared by consultants for KYTC. Administered six contracts under the statewide forecasting agreements. 100% Complete**
- Maintain databases tracking traffic forecasts and traffic forecast parameters. Make databases available to other users and offices as appropriate. **Database maintained and available for other users in the Division of Planning to view. 100% Complete**
- Update Forecast milestone dates on Branch Calendar, at least monthly. **100% Complete**
- 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. **Updates made to the Pavement Design Spreadsheet, future population estimate summary and turning movement spreadsheet. 100% Complete**
- Participate in Regional Forecaster Users Group. This group includes forecasters from surrounding states that are trying to identify the state of practice for traffic forecasts. **No user Group Sessions were held in FY 2025. 100% complete**
- Provide growth rates from TFT tool for various projects. **TFT tool utilized when requests were received for a quick Growth Rate Analysis. Online TFT tool now available and was utilized for these requests. 100% Complete**
- Update and maintain Turning Movement Count database. **100+ turning movement counts entered in the database. 100% Complete**
- Create MOT and lane closure queue analysis spreadsheet and user cost calculations spreadsheet. **Lane closure spreadsheet completed and now available for use. 100% Complete**
- Prepare Forecast Guidance Manual document for the forecasting community for consistent application of forecasting as a tool for cabinet projects. **100% Complete**

## CHAPTER 13

### Traffic Data Forecasting Statewide Transportation Modeling

#### RESPONSIBLE UNIT

Division of Planning  
Multimodal Programs Branch

#### PROPOSED ACTIVITIES FOR 2024-2025 (continued)

##### Modeling- Reports, Studies, and Analysis

- Administer statewide modeling contracts. Provide quality review for models prepared by the MPOs and consultants. **Four modeling projects administered through statewide contracts in FY 2025. 100% complete**
- Maintain databases tracking traffic models, traffic modeling parameters, model use, and archive status. Make databases available to users. **Database maintained and available to other users within the Division of Planning. 100% Complete.**
- Assist MPOs by offering specialized training and updating smaller MPO models and providing outputs from MPO models for MTP process. **Owensboro Model update completed, and outputs used to assist the MPO in MTP update. The new Paducah Model nearly complete and will be used for MPOs first MTP. LAMPO model update underway and on schedule. 100% Complete**
- Create, publish, and monitor Traffic Data and Model Sharing Agreements. Update Sharing Status milestone dates, at least quarterly. **New data sharing agreement for BEA employment data created and signed by model users. 100% Complete**
- 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. **Modeling process completed for SHIFT 2026. 100% Complete**
- Maintain the traffic modeling web page as a tool for users. **100% Complete**
- 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. **Models updated to reflect the most recent available employment data. Models also updated to reflect 2020 census data. Streetlight data used for model updates. 100% Complete**
- 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. **Participated in OTDMUG and TNMUG meetings. New member of the forecasting and modeling team trained in-house. 100% Complete**
- 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. **Participated in TRB Annual Conference attending modeling specific presentations and meetings. The Owensboro Regional Model and Paducah Regional Model completed through the statewide modeling contract. The LAMPO Regional Model update process started through the statewide modeling contract. Updates to the Warren County (MPO) Model and the Hardin-Meade Model completed in-house. 100% Complete**
- Offer collaboration with Project Development to identify and utilize modeling, when appropriate. **100% Complete**
- Further review and propose improved freight assignment in models. **100% Complete**
- Create and maintain models for smaller MPOs. **100% Complete**

## CHAPTER 13

### Traffic Data Forecasting Statewide Transportation Modeling

#### RESPONSIBLE UNIT

Division of Planning  
Multimodal Programs Branch

#### PROPOSED ACTIVITIES FOR 2024-2025 (continued)

- Evaluate ongoing research by KTC regarding speed data, travel time, and other big data sources for possible future application. **New growth rates based on ATR data and roadway mileage as well as VMT based on HPMS data received and implemented into pavement design and other spreadsheets. AADT Roadway Conflation estimates provided by Streetlight and analysis performed. Time-of-Day factor analysis in process provided by Streetlight. 100% Complete**
- Prepare Traffic Forecasting Web-based tool for simple forecasts. **100% Complete**
- Update Microsimulation Guidelines document, as needed. **100% Complete**
- Prepare Inputs and Perform Travel Demand and TREDIS Modeling for the 2026 SHIFT process. **Updated newest version of the KYSTM and utilized in 2026 SHIFT modeling process. 100% Complete**

#### PRODUCTS

- Project, Corridor, Road User Cost, and basic TREDIS Economic Modeling analysis, as requested. **100% Complete**
- Provide VMT and VHT by road classification using KYSTM for MOVES3 (or current version), as requested. **100% Complete**
- Model Sharing Status Report, upon request. **100% Complete**
- Project Development coordination regarding models and forecasts. **100% Complete**
- Growth rate analysis by exponential, regression, and straight-line methods, of traffic stations using TFT. **100% Complete**
- Historical turning movement count data via the Turning Movement Count database. **100% Complete**
- Hardin – Meade Travel Demand Model **100% Complete**
- Bowling Green – Warren County Travel Demand Model **100% Complete**
- Paducah – McCracken Area Travel Demand Model (will begin in FY 2025) **Base model complete. Forecast year almost completed. 100% Complete**
- Lexington Area Travel Demand Model (will begin in FY 2025) **Update process underway and on schedule. 100% Complete**
- Develop/review as requested, Transportation Demand Models such as:
  - ♦ County or highway district area macro models **100% Complete**
  - ♦ Corridor and small area micro-simulation models **100% Complete**
  - ♦ Continued validation and calibration of new and existing models **100% Complete**

**CHAPTER 13**Traffic Data Forecasting  
Statewide Transportation Modeling**RESPONSIBLE UNIT**Division of Planning  
Multimodal Programs Branch**DISTRIBUTION OF ESTIMATED COST FOR 2024-2025**

	<b>2024-2025</b>	<b>Expended</b>	<b>Percent Expended</b>
<b>PERSONNEL</b>	<b>\$403,000</b>	<b>\$488,252</b>	<b>121%</b>
<b>OUTSOURCED PERSONNEL</b>	<b>\$484,000</b>	<b>\$687,557</b>	<b>142%</b>
<b>OTHER</b>	<b>\$13,000</b>	<b>\$1,150</b>	<b>9%</b>
<b>TOTAL</b>	<b>\$900,000</b>	<b>\$1,176,959</b>	<b>131%</b>

**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. **Provided design plan templates to several communities throughout the state to assist with developing and/or improving their current bike/ped network and facilities. Provided templates, grant applications, and technical specification documents to KBBC members to distribute to their local areas of the state that help provide guidance for local government agencies, advocacy groups, and bike clubs in enhancing their bike/ped networks. 100% Complete**
- 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. **100% Complete**
- 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). **100% Complete**

## CHAPTER 14:

## Bicycle and Pedestrian Program

### RESPONSIBLE UNIT:

Division of Planning  
Modal Programs Branch

### PROPOSED ACTIVITIES FOR 2023-2024 (continued)

- 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. **Maintained and updated spatial and tabular data for all USBR's in KYTC's Highway Information System (HIS) database, Modal's GIS datasets on network drives, and KYTC's GIS Server. Completed necessary edits to USBR alignments after receiving roadway project notification reports. Updated customized maps of each individual USBR and published new/updated files on applicable webpages. 100% Complete**
- 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. **Provided two training sessions to state, local, and professional personnel on implementing the Complete Street Policy across the state. 100% Complete**
- 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. **The Master Plan was completed in FY 2023, all revisions and updates completed as needed to the Statewide Master Plan document. Provided prompt responses when questions were received. Regularly updated the website and comprehensive database of local community bike/ped master plans through collaboration with the ADD's and Dept. of Public Health. 100% Complete**
- 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. **Provided guidance and assistance to local municipalities and ADD's regarding Americans with Disabilities Act (ADA) Transition Plans. 100% Complete**
- 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. **Worked with local and regional government entities as well as the KYTC grant assistance staff to help with grant applications when relevant. Helped with cost estimates and other technical guidance for non-motorized facility involvement in grants. 100% Complete**
- Assist as formula group member for incorporation of Complete Streets Bicycle and Pedestrian criteria for newly created component in SHIFT project prioritization process. **Provided input and assistance when required and continue to actively participate in KTC studies done for the Cabinet. 100% Complete**
- Establish an ADA Compliance Initiative to bring all non-compliant/deficient intersections into compliance on all state-maintained streets, roads, and highways. **KYTC developed an ADA transition plan in 2020 with a revision in 2023. Identified initial locations to design and construct ADA facilities to bring sites into compliance. 100% Complete**

## CHAPTER 14

## Bicycle and Pedestrian Program

### RESPONSIBLE UNIT

Division of Planning  
Modal Programs Branch

### PROPOSED ACTIVITIES FOR 2024-2025 (continued)

#### 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. **Provided technical guidance and one-on-one assistance to ADDs, HDOs, and MPOs for work program element 3E regarding the inventory of Bicycle and Pedestrian Facilities (BKPD); ran queries in HIS to extract facilities and provided shapefile and excel spreadsheet outputs with the most up-to-date inventory for the ADDs to use and reference. Coordinated data and plans with HDOs and MPOs as needed. 100% Complete**
- 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. **Guided and assisted ADDs regarding technical questions of bike/ped facilities and data collection techniques. Conducted quality control measures on data received. Completed processing and integrating updates and new additions to the BKPD asset inventory in HIS. Also updated BKPD asset updates upon review of roadway project notification reports received from the Data Management Branch. 100% Complete**
- Collaborate with ADDs to maintain database of local bike/ped master plans across the state and update this in the Bicycle and Pedestrian Plans webpage. **Collaborated with ADDs and Dept. of Public Health to identify updates of existing master plans and add new master plans to the comprehensive database and KYTC website. 100% Complete**
- Review and comment on requests for signage or other options to recognize bike/ped facilities or on-road bicycle routes. **Reviewed requests for bicycle warning signage and identified plan of action for implementation. Sent requests to KYTC District Offices to install signs as feasible. 100% Complete**
- 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. **Provided technical assistance and specification documents to KBBC members to distribute to communities across the state relating, but not limited to; bike/ped planning, design templates, advocacy, and network development. Assisted ADDs regarding technical questions on bike/ped facilities, data collection techniques, and submittal formatting. 100% Complete**
- 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. **Worked with HSIP to analyze possible locations in resurfacing plans to transition One-Way facilities to Two-Way to improve Vulnerable Road User Safety. 100% Complete**



## CHAPTER 14

## Bicycle and Pedestrian Program

### RESPONSIBLE UNIT

Division of Planning  
Modal Programs Branch

### PROPOSED ACTIVITIES FOR 2024-2025 (continued)

- Provide bike/ped accommodation considerations within traffic forecasts, planning studies, and other Project Development reports. **Provided forecasting and bike ped accommodation considerations for each project received from the Traffic Forecasting and Modeling Team. Extracted Bicycle Comfort Index (BCI) ratings for all routes involved in each project to factor into all considerations and recommendations. 100% Complete**
- 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. **Continued to advise KBBC members on the importance of advocating for these signs in the area of the state they represent. Provided feedback and considerations to HDOs when needed. 100% Complete**
- Develop a bicycle and pedestrian counting program throughout the state to monitor usage and inform project decisions. **Worked with KTC to develop a research report on different types of multimodal counters. Bought and tested counting equipment for this research report. Developing a strategy to roll out counters and for data collection. 25% Complete**
- 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. **Routinely maintained and updated statewide GIS datasets including bike/ped facilities, AASHTO approved and identified US Bicycle Routes, recreational bike routes, full length shared-use paths (in and out of ROW), and rail trails. The bike/ped facilities inventory includes complete local and regional networks across the state consisting of sidewalks, crosswalks, and shared-use path facilities. Utilized Strava and Streetlight data applications for bike/ped analysis and origin/destination data. 100% Complete**
- Regularly maintain and update the statewide shared use path GIS dataset, and coordinate with OIT for data sharing endeavors internally and externally. **Shared use path dataset regularly updated with submissions from ADDs and HDOs, roadway project notification reports, and new data collected internally within KYTC by review of current aerial imagery and design plans. Continues to be a popular dataset used by many customers and agencies. 100% Complete**
- Develop a Complete Streets, Roads, and Highways Review Process. **An official process is in development. However, projects continue to be reviewed by the Bicycle and Pedestrian program for compliance with Complete Streets Policy. 50% Complete**
- 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. **Ongoing project. Working to develop the best strategy to implement wayfinding signage. 50% Complete**
- Identify and help obtain federal, state, local, or private funds available for developing active (bike/ped) transportation facilities or treatments. **Frequent collaboration with Program Coordinators for the Transportation Alternatives Program (TAP), Congestion Mitigation and Air Quality (CMAQ), and Recreation Trails Program (RTP) to help secure funding for various bike and ped projects across the state. 100% Complete**

## CHAPTER 14

## Bicycle and Pedestrian Program

### RESPONSIBLE UNIT

Division of Planning  
Modal Programs Branch

### PROPOSED ACTIVITIES FOR 2024-2025 (continued)

- 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. A statewide, interactive map developed in AGOL of bike/ped facilities is integrated in KYTC's website. Data in the map frequently updated from HIS (Highway Information System) database extracts. Users can view bike/ped networks across the state at a local level and obtain attribute data of each feature within the network. Attribute data of each feature includes, but is not limited to; type of feature, begin and end mile point based on adjacent roadway, feature width, type of surface, side of roadway feature is located on (offset), total feature length, adjacent roadway information, and location information. 100% Complete

#### 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. Provided technical guidance to Highway District planners, ADD planners, KBBC commissioners, consultant staff, and other agency staff regarding bicycle and pedestrian facilities incorporation, design specifications, and ADA compliance specifications following PROWAG guidelines and technical requirements. 100% Complete
- 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. Provided KYTC's available resources, documents, and educational materials to entities upon request. Also, when necessary, directed entities to KYTC's Bike/Ped webpages and FHWA webpages as additional sources for information. Bike/ped team has created several easily accessible webpages that provide critical safety information and educational materials. 100% Complete
- Coordinate with all levels of Kentucky law enforcement to promote education and enforcement of bike/ped safety laws. Provide information at the annual KYTC Office of Highway Safety's Safety Summit and conduct a presentation, if required. Presented at and coordinated with law enforcement and other staff at the annual Safety Summit. Discussed opportunities to improve Vulnerable Road User safety through those channels. 100% Complete
- Respond to citizens' requests for information, maps, bike routes, walking trails, availability of funds for projects, and other related information as requested. Promptly responded to all emails, phone calls, and mail correspondence received from the public concerning bicycle safety, bicycle/pedestrian laws & policies, bike/ped datasets, statistics, trail maps, locations of shared use paths, bourbon trail/tourism maps, community design plan templates, technical specification documents, questions from KBBC commissioners, and Paula Nye Grant application process inquiries. Created customized outputs using different file types depending on the customer needs. 100% Complete
- Develop and maintain a clearinghouse of information concerning active transportation for CO, HDOs, ADDs, MPOs, and local governments. 100% Complete

## CHAPTER 14

## Bicycle and Pedestrian Program

### RESPONSIBLE UNIT

Division of Planning  
Modal Programs Branch

### PROPOSED ACTIVITIES FOR 2024-2025 (continued)

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. All bike/ped webpages continually updated on a regular basis throughout the year to ensure the most current data, information, statistics, project announcements, and resources are readily available. The KBBC webpage currently undergoing a complete revamp, KYTC staff waiting for final input from KBBC Commissioners to finalize the layout of the webpage. The KBBC page remains fully operational and regularly updated during this restructuring process. Alternative text was updated and added to all photos and graphics so visually impaired users can fully utilize all webpages in the Bike/Ped SharePoint repository. 100% Complete

#### **Kentucky Bicycle and Bikeways Commission (KBBC)**

- Plan quarterly KBBC meetings. Prepare agenda before and minutes after each KBBC meeting. Successfully planned, coordinated, and conducted the quarterly KBBC meetings over the course of FY 2025. Two quarterly meetings held virtually and two in-person, with the Annual Business Meeting in Morehead. Created and provided agenda documents for each meeting, as well as meeting minutes at each meeting's conclusion. Updated KBBC webpage with announcements, meeting schedules, updated information, and posted meeting agendas and minutes documents. Meetings held in accordance with KRS 61.805 to 61.850. 100% Complete
- Plan annual KBBC Conference. Prepare agenda before and minutes after the KBBC conference. The two-day annual meeting/conference held in Morehead at the Eagle Trace Golf Course Clubhouse. First day spent reviewing the Paula Nye Grant applications, Chair and Treasurer elections, and the Bike Walk Kentucky Board meeting. The second day consisted of speakers, breakout sessions, presentations, and awards. All applications received reviewed and discussed. All nine Paula Nye Grant applications received awarded either full or partial funding. Funds successfully dispersed to grant recipients. All necessary accounting protocols completed by KYTC. The bike/ped team prepared the agenda document for the annual meeting, took notes during the meeting, and prepared minutes document after the meeting. Created Memo for the Secretary with an expenditures table and overview of amounts awarded to each recipient. Posted agenda and minutes documents to the KYTC bike/ped and KBBC webpages. 100% Complete
- Assist KBBC on communication and technical matters via email and phone calls. Administered all communication with KBBC commissioners and answered all phone calls and email inquiries promptly. Provided technical specifications/design templates, coordinated efforts with conducting of the annual audit, maintained Nye Grant expenditures, processed/tracked Paula Nye Grant applications, reviewed all grant progress reports received, and regularly communicated with all KBBC members to relay important announcements. Promptly relayed all correspondence received from Boards and Commissions to the commissioners. 100% Complete

## CHAPTER 14

## Bicycle and Pedestrian Program

### RESPONSIBLE UNIT

Division of Planning  
Modal Programs Branch

### PROPOSED ACTIVITIES FOR 2024-2025 (continued)

- Assist in administering and reporting of the Paula Nye Memorial Education Grant program. Prepared and maintained a master spreadsheet to track all grant fund expenditures. Reviewed and processed nine grant applications. Answered emails and phone calls from grant applicants. Reviewed and tracked progress reports and summary reports received from grantees. Closely communicated with KBBC commissioners and provided regular updates regarding all aspects of the grant program. Coordinated with KBBC Treasurer and provided all required documentation for annual audit of Share the Road license plate funds conducted by KYTC's Office of Audits. 100% Complete
- Upload agenda and minutes to KYTC Bike/Walk website. Post other updates, pictures, and information on the webpage as needed. The meeting schedule regularly updated on the KBBC webpage with ample notice of meetings made public. Draft agenda documents prepared weeks in advance of each quarterly meeting and sent to all commissioners for their review and input. Final agenda documents posted to the KBBC webpage in advance of each meeting. Minutes composed following each quarterly meeting and promptly posted on the KBBC webpage. Minutes approved by the commissioners during the following meeting. 100% Complete
- Assist with maintaining current memberships of commissioners. Relay membership changes received from the Governor's Office to the commission. Administered all membership changes with Boards and Commissions on behalf of the KBBC. Informed commissioners of any changes. Updated KBBC webpage with changes regarding commissioner information. 100% Complete

### PRODUCTS

- Guidance for local and regional bike/ped master plans. 100% Complete
- Clearinghouse/toolbox of bike & ped resources and related items for the creation or improvement of bike/ped projects or local master plans. 100% Complete
- Bike/ped brochures and promotional materials. 100% Complete
- Bike/ped transportation planning technical training courses. 100% Complete
- Walkability/Bikeability Audits. 100% Complete
- Quarterly and annual KBBC meetings. 100% Complete
- Nye Grant status reports. 100% Complete
- Continuous update of KYTC Bike/Walk web pages. 100% Complete
- Documentation for projects that include bike/ped components as a contributing part of the CHAF database and SHIFT project prioritization process. 100% Complete
- Regularly update GIS datasets, maps, and HIS assets of Bike/Ped Facilities Inventory, US Bicycle Routes, and Shared Use Paths. 100% Complete
- Complete Streets, Roads, and Highways Training Sessions. 100% Complete
- US Bicycle Routes approved by AASHTO complete with wayfinding signage. 100% Complete

**CHAPTER 14****Bicycle and Pedestrian Program****RESPONSIBLE UNIT**

Division of Planning  
Modal Programs Branch

**DISTRIBUTION OF ESTIMATED COST FOR 2024-2025**

	<b>2024-2025</b>	<b>Expended</b>	<b>Percent Expended</b>
<b>PERSONNEL</b>	<b>\$300,000</b>	<b>\$174,158</b>	<b>58%</b>
<b>OUTSOURCED PERSONNEL</b>	<b>\$5,000</b>	<b>\$138,320</b>	<b>2,766%</b>
<b>OTHER</b>	<b>\$35,000</b>	<b>\$3,423</b>	<b>10%</b>
<b>TOTAL</b>	<b>\$340,000</b>	<b>\$315,901</b>	<b>93%</b>

**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 federal transportation law called MAP-21 specified that 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 constructors about the reasons behind design features and objectives. This program may also be 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 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 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. **Completed 87 constructability reviews. 100% Complete**
- Conduct mandated VE studies to meet federal regulations. **Conducted six VE studies: I-71 (6-20,021.00) in Gallatin County, KY 210 (2-plus-1 Corridor) in LaRue, Green and Taylor Counties (state funded project with leadership request for a VE study), KY 536 in Campbell County, I-71 (6-8910.00) in Gallatin County, I-24 in Lyon and Caldwell Counties, and KY 207 in Greenup County (also requested by leadership). 100% Complete**
- 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. **No Post-Construction Reviews completed during FY 2025, but program is currently active with several PCR's scheduled for the end of this calendar year. 100% Complete**
- Develop methodologies for measuring safety and traffic performance of projects after construction is complete. **Coordinated with Division of Highway Design and Highway District Offices to gather crash data for projects across the state. Division of Highway Design, Division of Traffic Operations, Division of Planning, Secretary's Office of Safety, Office of Information Technology and the University of Kentucky – Kentucky Transportation Center partnering with Numetric on development of AASHTOWare Safety for Kentucky. 100% Complete**
- Evaluate projects, as identified, for performance of design objectives after construction is complete. Document lessons learned. **100% Complete**
- Assist project managers in safety and traffic analysis on highway design projects. **No predictive safety benefit analyses on project alternatives conducted during FY 2025. 100% Complete**
- Identify and follow up on issues identified as EI. **Not applicable during period. 100% Complete**
- Continue to develop and update policy and procedures for all aspects of each program. **Reviewed all policies and procedures and with updates during FY 2025. Actively working on the Post Construction Review procedures. 100% Complete**
- Publish the Quality Matters newsletter, containing content about findings from program reviews and design innovations. **No newsletters during this period. 100% Complete**
- Develop and publish Tech Briefs, each focused on a single, important topic identified through the reviews. **None published during this period. 100% Complete**



## CHAPTER 15

## Quality Assurance

### RESPONSIBLE UNIT

Division of Highway Design  
Quality Assurance Branch

### PURPOSE AND SCOPE (continued)

- Archive and map project plans and make available on archival website. Every project let to construction during this period archived and mapped. Continued to archive and map older projects that required scans. Also partnered with KYTC-GIS team to develop a new Archive Tool. 100% Complete
- Upon special request, provide analysis of data collected through the QAB program areas. No requests during this period. 100% Complete
- Ensure consistency and quality of design products delivered by KYTC. Handled through the Constructability Review Program, VE Program, and Post Construction Review Program. Archived highway plans from past projects. 100% Complete
- Oversee outsourced activities. Oversaw consultant services for VE Services and Capacity/Safety analysis activities. 100% Complete

### PRODUCTS

- VE Studies Six VE studies and reports completed in FY 2025. 100% Complete
- VE Punch Lists Issued six punch lists. Followed up with project managers in which final decisions had not yet been reached or implemented. Documented findings. 100% Complete
- VE Project Database Database updated with VE recommendations. 100% Complete
- VECP Database No longer applicable. VECP program administered by Division of Construction.
- FHWA Annual VE Report Federal FY 2024 data compiled and submitted to FHWA on March 4, 2025. 100% Complete
- Constructability Project Review Reports 87 reports, including marked up plans (Design and Structures) issued to project managers. 100% Complete
- Constructability Review Database Added tracking data and results. 100% Complete
- Post-Construction Review Fact Sheets None during this period. 100% Complete
- Post-Construction Review Database None during this period. 100% Complete
- Project Performance Measurement Reports None during this period. 100% Complete
- Quality Matters Newsletters None during this period. 100% Complete
- Tech Brief Publications None during this period. 100% Complete
- Special Studies No requests during this period. 100% Complete

### DISTRIBUTION OF ESTIMATED COST FOR 2024-2025

	2024-2025	Expended	Percent Expended
PERSONNEL	\$450,000	\$138,750	31%
OUTSOURCED	\$50,000	\$0	0%
TOTAL	\$500,000	\$138,750	28%

## **CHAPTER 15**

## **Quality Assurance**

### **RESPONSIBLE UNIT**

Division of Highway Design  
Quality Assurance Branch

### **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.