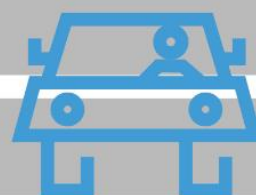




UNIFIED PLANNING WORK PROGRAM

FISCAL YEAR 2022

*Transportation
Planning for Fayette
and Jessamine Counties*



Lexington Area Metropolitan Planning Organization
101 East Vine Street, Lexington, KY 40507
www.LexAreaMPO.org

THIS UNIFIED PLANNING WORK PROGRAM IS FINANCED IN PART BY:

USDOT FEDERAL HIGHWAY ADMINISTRATION

USDOT FEDERAL TRANSIT ADMINISTRATION

KENTUCKY TRANSPORTATION CABINET

LEXINGTON FAYETTE URBAN COUNTY GOVERNMENT

JESSAMINE COUNTY FISCAL COURT

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Introduction

ABOUT THE MPO

Federal law requires all urbanized areas with populations greater than 50,000 people to designate a Metropolitan Planning Organization (MPO) to develop transportation plans for the region.

Urbanized areas with populations over 200,000 are designated as Transportation Management Areas (TMA) which carry additional planning and funding requirements. The Lexington Area MPO consists of Fayette and Jessamine County which includes the cities of Lexington, Nicholasville and Wilmore. The 2010 U.S. Census also designated a small densely populated portion of Scott County as part of the Urbanized Area and thus part of the MPO planning area.

MPOs ensure that local people and governments are represented in an impartial setting in an effective transportation planning process. To that end, each MPO works with federal, state and local governments, transit agencies, stakeholders and the public to ensure transportation policies, plans, projects and programs move the region forward based on mutually agreed upon goals.

The MPO is responsible for four major transportation planning documents that are regularly “Certified” by the Federal Highway Administration (FHWA). These documents guide the allocation of federal transportation dollars in our region

Unified Planning Work Program	Participation Plan	Transportation Improvement Program	Metropolitan Transportation Plan
<ul style="list-style-type: none">• Outlines the work activities of the MPO• Updated annually	<ul style="list-style-type: none">• Outlines strategies for effective public and stakeholder involvement• Updated as needed or at least every 5 years	<ul style="list-style-type: none">• Short range implementation plan for projects and programs (4 year horizon)• Updated every 4 years (modified as needed)	<ul style="list-style-type: none">• Long range transportation plan for the region (at least 20 years)• Updated every 5 years

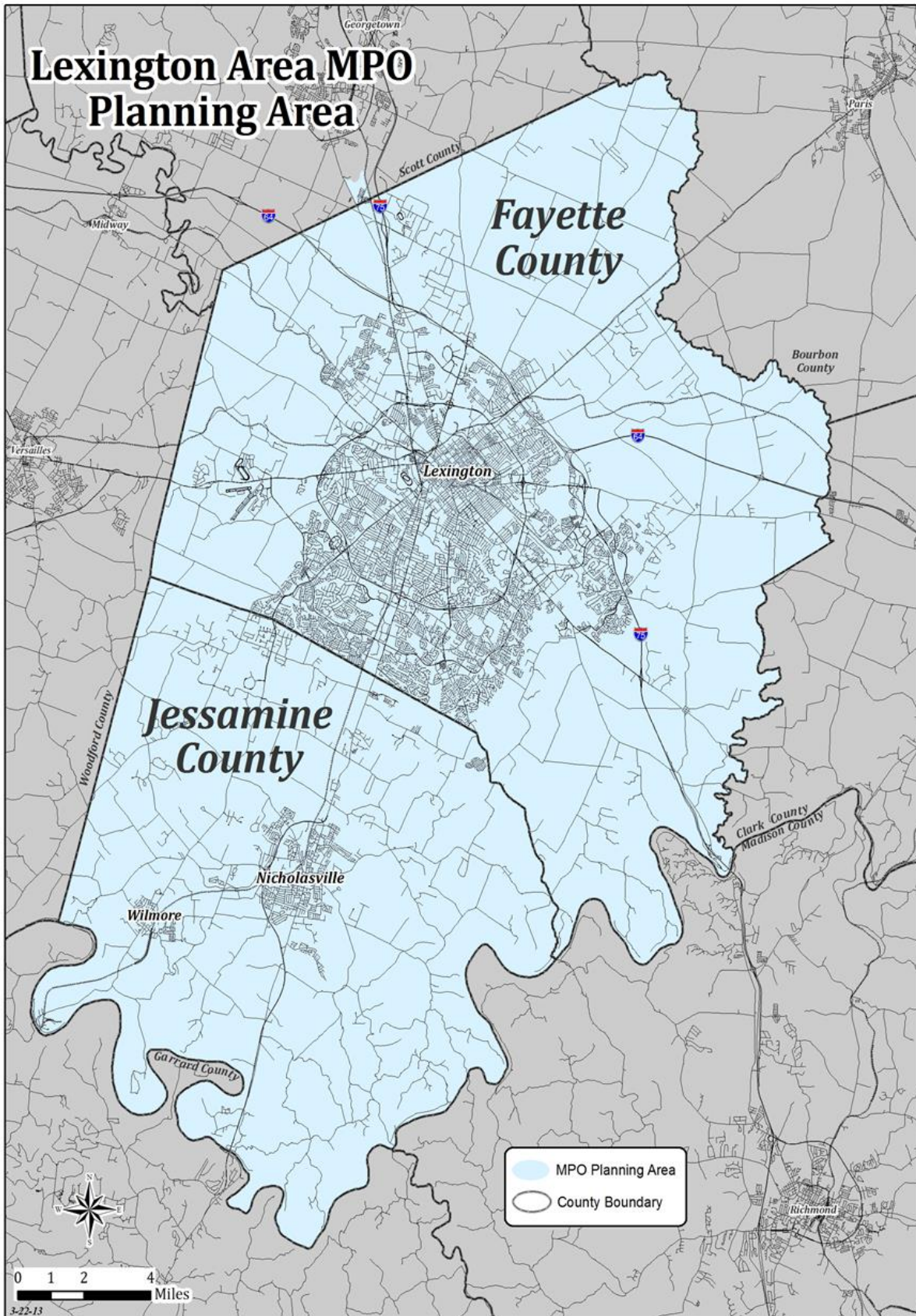
MPOs are charged with developing documents, plans and programs utilizing the 3Cs approach:

Continuing: Planning must be maintained as an ongoing activity and should address short-term needs and a long-term vision for the region.

Cooperative: The process must involve a wide variety of stakeholders and interested parties through a participation process.

Comprehensive: The process must cover all surface transportation modes and be consistent with regional and local land-use and economic-development.

The MPO functions under a committee structure with a decision-making Transportation Policy Committee (TPC), technical committees, and technical staff. The Lexington Area MPO Memorandum of Agreement (MOA) describes the MPO’s organizational structure, partner responsibilities, planning policies, and procedures.



Lexington Area Metropolitan Planning Organization (MPO) Organizational Structure

Transportation Policy Committee

Chairman: David K. West
Jessamine County Judge Executive

Lexington-Fayette Urban County Government:
 Mayor Linda Gorton

Fayette County, Kentucky:
 Judge Executive Don Blevins Sr.
 Jon Larson (Rep.)

City of Nicholasville, Kentucky:
 Mayor Pete Sutherland
 Bob Amato (Rep.)

City of Wilmore, Kentucky:
 Mayor Harold Rainwater
 David Carlstedt

LFUCG Council Districts 1, 2 & 6:
 Councilmember Josh McCurn

LFUCG Council Districts 3, 5 & 11:
 Councilmember Jennifer Reynolds

LFUCG Council Districts 4, 7 & 8:
 Councilmember Fred Brown

LFUCG Council Districts 9, 10 & 12:
 Councilmember Whitney Baxter

Vice-Mayor / Councilmember-at-Large:
 Vice-Mayor Steve Kay

Councilmember-at-Large:
 Councilmember Chuck Ellinger II

Councilmember-at-Large:
 Councilmember Richard Moloney

LexTran Chairman (or Representative):
 Christian Motley, Chair of Board
 Jill Barnett, LexTran General Mgr. (Rep.)

KYTC Sec. of Transportation (or Rep.):
 Jim Gray, Secretary of Transportation
 Kelly Baker, Chief District 7 Engineer (Rep.)
 Thomas Witt, KYTC Planning MPO Liaison

Federated Transit Services of the Bluegrass:
 Executive Director Pam Shepard

Federal Non-Voting Advisory Members:

FHWA: Todd A. Jeter, Division Administrator
FHWA Representative: Bernadette Dupont
FTA: Yvette Taylor
FTA Representative: Aviance Webb

MPO Staff

LFUCG Transportation Planning

Manager/MPO Director: Christopher Evilia

Administrative Officer: Kenzie Gleason
 MTP, Special Projects, Grants, Title VI/ADA

Planners:

Joseph David: Transit Planning, GIS
Jimmy Emmons: Land Use & Traffic Impact, Modeling
Sam Hu: Congestion Mgmt., Air Quality
Stuart Kearns: TIP, Performance Measures
Scott Thompson: Bike & Pedestrian
Parker Sherwood: Freight, Land Use/Zoning

Administrative Specialist:

Brenda Whittington

MPO Subcommittees

- Transportation Technical Coordination Committee (TTCC)
- Congestion Management Committee
- Bicycle & Pedestrian Advisory Committee
- Transportation Project Coordination Committee
- Other Special Committees

ABOUT THE UNIFIED PLANNING WORK PROGRAM

The UPWP is a federally required document that communicates to the public and stakeholders how their federal transportation planning dollars will be used on regional planning activities over the coming year. It describes how the MPO will carry out the transportation planning process including related planning activities, studies, products and timelines. It also outlines expenditures attributed to individual work elements and the funding sources to be used. The current federal regulations that guides MPOs in developing an annual UPWP include 23 USC 134 (a); 49 USC 5303(a) & (b); 23 CFR 420.111; 23 CFR 450.308; and 49 CFR 613.

PLANNING FACTORS

The “Fixing America’s Surface Transportation” or FAST Act was signed into law on December 4, 2015 and defines ten planning factors that MPOs must consider when developing transportation plans and programs to ensure consistency with established national goals including:

- Support the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency.
- Increase the safety of the transportation system for motorized and non-motorized users.
- Increase the security of the transportation system for motorized and non-motorized users
- Increase the accessibility and mobility options available to people and for freight.
- Protect and enhance the environment, promote energy conservation, improve quality of life, and promote consistency between transportation improvements and State and local planned growth and economic development patterns.
- Enhance the integration and connectivity of the transportation system, across and between modes, for people and freight.
- Promote efficient system management and operation.
- Emphasize the preservation of the existing transportation system.
- Improve the resiliency and reliability of the transportation system and reduce or mitigate storm water impacts of surface transportation.
- Enhance travel and tourism.

To accomplish these goals the MPO has organized our work into six focus areas: 1.0 Transportation System Data & Monitoring; 2.0 Project Identification & Prioritization; 3.0 Program & Project Implementation; 4.0 Land Use & Traffic Impact; 5.0 Participation & Outreach; 6.0 Program Administration.

FHWA & FTA PLANNING EMPHASIS AREAS FOR FY 22

Each year, the Federal Highway Administration and Federal Transit Administration issues Planning Emphasis Areas (PEAs) for MPO's to include in their work program to further implement federal priorities of the FAST Act. In FY 22, these include:

- MAP-21/FAST Act/Planning Regulation Implementation
- Public Involvement (including Virtual Public Involvement)
- Strategic Highway Network (STRAHNET)/Department of Defense (DOD) Coordination - coordinating transportation planning with military facilities within a state and metropolitan area
- Planning and Environmental Linkages (PEL)
- Data in Transportation Planning
- Equity in Transportation Planning

LEXINGTON AREA MPO WORK PROGRAM HIGHLIGHTS

The following list summarizes major work efforts and tasks that were initiated or completed by the Lexington Area MPO during FY 2021. MPO priorities for the upcoming FY 2022 Work Program are summarized on the following page.

FY 2021 UPWP ACCOMPLISHMENTS

- **Transportation Improvement Program** - Completed the FY2021-2024 [Transportation Improvement Program](#) to advance priority transportation projects over the next four years.
- **Imagine Nicholasville Road** - Initiated this corridor study that engaged 5,000 residents to develop a combined land use and transportation plan that will guide future development and roadway improvements along the corridor. www.ImagineNicholasvilleRoad.com
- **Intelligent Transportation System Architecture** - Completed the [ITS Architecture](#) in coordination with Traffic Engineering. The plan ensures interoperability of technologies across local, state and regional agencies and departments.
- **Congestion Management Bottleneck Study** - Initiated this study that will identify low cost, high impact improvements to relieve congestion at top bottleneck locations.
- **Lextran Comprehensive Operational Analysis** - Identified funding for Lextran's COA which will guide service improvements for Lextran over the next 5 years.
- **Jessamine/Fayette Connectivity Study** - Initiated this study in coordination with the Kentucky Transportation Cabinet. The study examines how to improve east-west connectivity between northeast Jessamine and southeast Fayette counties to improve safety and mobility <http://www.jessfaystudy.com/>.
- **Statewide Corridor Plan** - Participated in the KY Transportation Cabinet's planning effort to identify and prioritize corridor improvements across the state.
- **Hamburg Connector Feasibility Study** - Initiated study for a potential roadway crossing of I-75 connecting Sir Barton Way and Polo Club Blvd in coordination with the Kentucky Transportation Cabinet.
- **Land Subdivision Regulation and Zoning Ordinance Amendments** – Coordinated updates to Lexington's planning and zoning regulations to provide for wider sidewalks, sidewalk buffer zones and trail construction. Initiated a number of other transportation-related updates to the Subdivision Regulations and Zoning Ordinance regarding street connectivity, complete streets, parking requirements, curbside management and traffic impact studies.
- **Lexington Bicycle Map** – Developed and launched the digital interactive map which allows residents to plan bicycle routes based on location, type of bicycle facility and their individual skill and comfort level.
- **Shared Mobility Vehicle Program** – Administered Shared Mobility Vehicle permits, managed current licensees, and oversaw associated data collection and enforcement.
- **Participation & Outreach** – Updated the [MPO's Participation Plan](#) and [Title VI Program Plan](#). These plans outline how the MPO will seek meaningful and equitable input in the transportation planning process.
- **Annual Work Plans & Reporting** – Developed the MPO's [Unified Planning Work Program](#); [Annual Performance and Expenditure Report](#) & [Annual Listing of Obligated Projects](#).

UPWP PRIORITIES FOR FY 2022

- **KYTC Six Year Highway Plan & SHIFT Program** - Coordinate the 2022 SHIFT Program to ensure the KY State Highway Plan is consistent with the MPO's MTP and TIP and reflects priorities identified by the MPO Transportation Policy Committee.
- **Congestion Management / Bottleneck Study** - Complete this study for the Lexington area and integrate recommended projects into the MTP and TIP.
- **Local Road Safety Plan** - Coordinate with KYTC to develop this safety plan for Fayette County and work to incorporate recommended improvements into the MPO's MTP and TIP.
- **East Fayette Trail Connectivity & Traffic Safety Study** - Initiate study (pending local match) to determine an alignment for a shared use trail from Third Street / Isaac Murphy Memorial Art Garden (IMMAG) to trails planned for construction along Liberty Road as part of roadway improvements both inside and outside New Circle Road.
- **Northeast New Circle Road Coordinate Land Use & Transportation Plan** - Initiate study (pending local match) to develop a coordinated corridor land use plan and transportation study for the entirety of the signalized portion of Northeast New Circle Road.
- **Imagine Nicholasville Road** – Implement the plan and seek support / funding to conduct traffic simulation studies, transit service / capital needs assessments, and developing land use & design regulations.
- **Jessamine-Fayette Connectivity Study** – Complete the study being conducted by KYTC, in coordination with the MPO, to improve east-west connectivity between northeast Jessamine and southeast Fayette counties to improve safety and mobility. Integrate recommended projects into the MTP and TIP.
- **Freight Plan** – Work to develop a Lexington Area Freight Plan by identifying, collecting and analyzing freight-related available for the Lexington Area.
- **Lextran Comprehensive Operational Analysis** - Assist Lextran in completing the COA to guide service improvements for Lextran over the next 5 years.
- **Land Subdivision Regulation and Zoning Ordinance Amendments** – Continue work with the City of Lexington to develop and implement a series of regulatory changes to local Zoning Ordinances and Subdivision Regulations to achieve desired regional transportation planning outcomes including increased roadway connectivity, walkability, bike-friendly and transit-oriented development.
- **Project & Program Development** – Coordinate with local, state and federal partners to advance MPO priorities, plans, projects and programs and achieve regional transportation goals.
- **Participation & Outreach** –
 - Collaborate with the City of Lexington's Division of Environmental Quality to conduct a public information campaign for transportation planning activities, project development, operational improvements and maintenance activities.
 - Implement a marketing plan to promote alternative transportation options and to target drivers, pedestrians, bicyclists and scooter users with safety messages.
 - Create an enhanced "TIP projects" digital map on the MPO website.
 - Update the Lexington Area digital bike map and publish a printable version.
- **Annual Work Plans & Reporting** – Develop the MPO's Unified Planning Work Program, Performance and Expenditure Report, Annual Listing of Obligated Projects & Title VI Program Plan.

1.0 Transportation System Data & Monitoring

PURPOSE

To collect and analyze data and track the performance of the transportation system. To monitor transportation trends, rules, regulations and best practices to inform the transportation planning process.

WORK ACTIVITIES

- Compile, analyze and maintain data (including GIS data) for the following:
 - US Census and other demographic/socioeconomic data
 - Population & employment growth
 - Regional travel patterns
 - Roadway characteristics and condition
 - Transit routes and ancillary facilities
 - Bicycle and pedestrian facilities
 - Freight-related data
 - Safety & crash data
 - Air quality data (ozone & particulate matter)
 - Congestion data (including travel time reliability and delay)
 - Transportation system usage data (traffic counts, bicycle/pedestrian counts, transit ridership, shared mobility device usage)
- Coordinate with KYTC and Lextran (5307 recipient) to monitor and report on national Transportation Performance Management metrics and progress toward meeting the established targets for safety, infrastructure condition, system performance and transit asset management and transit safety. Performance targets are set by Lextran and by KYTC and have been adopted and supported by the MPO. Support of statewide safety targets must be reaffirmed by the MPO annually.
- Monitor congestion and transportation system performance in accordance with federal planning requirements for a Congestion Management Process (CMP). Work with stakeholder groups to acquire and utilize the best available congestion-related data to inform the CMP. INRIX™ data is currently being utilized.
- Update and maintain the MPO's equity maps developed from US Census data to identify concentrations of Title VI, Environmental Justice (EJ) communities and Limited English Proficiency individuals in the MPO area. These maps are used to inform project prioritization, project development and targeted outreach efforts.
- Assist Lextran and other federally funded transit entities in the Lexington area with data analysis and mapping, including maintenance of the GIS-based "Transit Route Facilities Inventory Database."
- Monitor the safety of the transportation system by mapping crash and incident data.
- Monitor the security of the transportation system by coordinating with emergency and public safety agencies regarding emergency management operations and disaster preparations.

WORK ELEMENTS

- Review local air quality monitor readings to track trends and compliance with air quality standards.
- Identify and maintain maps of critical urban freight corridors in the Lexington MPO area in consultation with KYTC.
- Monitor corridors within the National Highway Freight Network and identify freight movements of significance within the MPO area.
- Update roadway functional classification maps in coordination with local and state agencies.
- Update population, employment and network data in the Lexington Area MPO's Travel Demand Forecasting Model. Submit updates to KYTC.
- Monitor transportation-related rules, regulations, standards/guidelines and best practices.

PRODUCTS*

- Current data sets and GIS layers of transportation-related data as described in the first bullet above (ongoing)
- Current Performance Management System data for the Lexington area and resolutions in support of statewide performance targets (ongoing). Support of statewide Safety Targets will reaffirmed annually (February 2022)
- Updated equity maps in coordination with the MPO's annual Title VI Program Plan update (June 2022)
- Updated roadway functional classification maps (ongoing)
- Updated "Transit Route Facilities Inventory Database" (ongoing)
- Update population, employment and network data in the Lexington Area MPO's Travel Demand Forecasting Model and submitted to KYTC (ongoing).

**MPO is responsible agency unless otherwise noted*

Total Staff Months 12	FHWA (PL)			FHWA (STBG-SLX)		FTA (5303)		TOTAL
	FHWA (80%)	KYTC (5%)	LOCAL (15%)	FHWA (80%)	LOCAL (20%)	FTA (80%)	LOCAL (20%)	
Personnel	\$42,364	\$2,648	\$7,943	\$30,256	\$7,564	\$5,599	\$1,400	\$97,773
Operating								
Total	\$42,364	\$2,648	\$7,943	\$30,256	\$7,564	\$5,599	\$1,400	\$97,773

2.0 Project Identification & Prioritization

PURPOSE

To identify and prioritize transportation projects and programs that are consistent with regional goals. To maintain a long-range multimodal Metropolitan Transportation Plan (MTP) and short-range Transportation Improvement Program (TIP) of projects. To ensure projects identified in the MTP and TIP are informed by the Congestion Management Process (CMP) and by regional plans that provide additional focus on bicycling, walking, transit, freight and corridor planning.

WORK ACTIVITIES

- Maintain and implement the 2045 Metropolitan Transportation Plan. Modify and amend the MTP as needed for consistency with the TIP, State Transportation Improvement Program (STIP) and KYTC 2022 Highway Plan.
- Provide a description of national performance measures and targets in the MTP, including a system performance report.
- Include a description of how projects identified in the TIP are anticipated to provide progress toward achieving national performance measures and targets for safety, infrastructure condition, system performance, transit asset management and transit safety.
- Maintain and implement the FY 2021-2024 TIP. Modify and amend the TIP as needed to add projects and update project information, phasing and cost estimates.
- Update and maintain a list of priority MTP and TIP projects in the KYTC Continuous Highway Analysis Framework (CHAF) database for prioritization during the development of the 2022 KYTC Highway Plan.
- Coordinate with the KYTC to ensure the 2022 KYTC Highway Plan is consistent with the MPO's MTP and TIP and reflects priorities identified by the MPO Transportation Policy Committee.
- Prepare an Annual Listing of Obligated Projects for all federally funded highway and transit projects that were obligated funding in the MPO's TIP during the prior fiscal year.
- Conduct the Congestion Management Process (CMP) in accordance with all federal requirements. Integrate the CMP documentation into applicable planning documents, including the MTP.
- Identify proposed projects, programs and strategies to reduce congestion and improve system reliability through the Congestion Management Process and incorporate identified projects into the MPO's MTP and TIP.
- Complete the Congestion Management / Bottleneck Study for the Lexington area (see Studies section of UPWP) and integrate recommended projects into the MTP and TIP.
- Prioritize CMAQ funding applications submitted by LPAs in the Lexington Area and submit rankings to the KYTC. Assist LPAs with air quality improvement calculations for CMAQ funding applications.
- Coordinate with the Lexington Fayette Urban County Government, KYTC and Lextran to jointly maintain the MPO area ITS Architecture.
- Continue work to develop a Freight Plan by identifying, collecting and analyzing freight-related available for the Lexington Area.
- Coordinate with KYTC to update and maintain the Kentucky Freight Plan.

WORK ELEMENTS

- Coordinate with KYTC to develop a Local Road Safety Plan for Fayette County and work to incorporate recommended improvements into the MPO's MTP and TIP.
- Utilize the MPO's Census-based equity maps to evaluate the priority, distribution and impact of transportation improvements and services when modifying and amending the MPO's MTP and TIP.
- Utilize the MPO's Travel Demand Forecasting Model (TDFM) as necessary when evaluating and advancing projects identified in the MTP and TIP.
- Participate in developing a regional Coordinated Public Transit-Human Services Transportation Plan to improve transportation services and mobility for persons with disabilities, older Americans, and individuals with lower incomes.
- Assist Lextran in completing a Comprehensive Operational Analysis (see Studies section of UPWP).
- Work with Lextran to prioritize and program short and long range transit plans and projects in the TIP and MTP.

PRODUCTS*

- MTP and TIP administrative modifications and amendments (ongoing)
- CHAF database entries to be utilized by KYTC to develop the Six Year Highway Plan (ongoing)
- Annual Listing of Obligated Projects (December 2021)
- Maintained ITS Architecture (ongoing)
- Prioritized list of CMAQ projects submitted to KYTC (as requested)
- Completed Lextran Comprehensive Operations Analysis (see Studies section of UPWP) (Responsible Agency – Lextran - June 2022)
- Completed Congestion Management / Bottleneck Study (see Studies section of UPWP) (December 2021)
- Completed Local Area Safety Plan for Fayette County (Responsible Agency – KYTC – June 2022)

**MPO is responsible agency unless otherwise noted*

Total Staff Months 22	FHWA (PL)			FHWA (STBG-SLX)		FTA (5303)		TOTAL
	FHWA (80%)	KYTC (5%)	LOCAL (15%)	FHWA (80%)	LOCAL (20%)	FTA (80%)	LOCAL (20%)	
Personnel	\$77,246	\$4,828	\$14,484	\$55,168	\$13,792	\$10,208	\$2,552	\$178,278
Operating								
Total	\$77,246	\$4,828	\$14,484	\$55,168	\$13,792	\$10,208	\$2,552	\$178,278

3.0 Program & Project Implementation

PURPOSE

To coordinate with state and local agencies on program and project development to implement MPO plans and studies to achieve regional goals and desired outcomes. To identify opportunities to implement MPO projects, plans and programs through community and agency partnerships, grants and other funding programs, and during routine roadway operation and maintenance activities.

WORK ACTIVITIES

- Participate in project development meetings with the KYTC and local public agencies to provide input on projects goals and design alternatives.
- Utilize the MPO's Travel Demand Forecasting Model (TDFM) to inform project development and design decisions.
- Coordinate with the City of Lexington, KYTC and Lextran to implement Intelligent Transportation System (ITS) technologies, projects and programs.
- Coordinate with the City of Lexington and approve the annual scope of work for the ITS/CMS program funded through the STBG-SLX program.
- Coordinate with various agencies to implement projects identified in the MPO's Regional Bicycle & Pedestrian Plan.
- Coordinate with the City of Nicholasville to implement the Jessamine County School Connector Study.
- Participate in the LFUCG Pedestrian Safety Working Group and coordinate with LFUCG agencies to implement identified improvements.
- Coordinate with state and local agencies to identify opportunities to implement transportation improvement projects and initiatives during routine operation and maintenance activities (ADA and bus stop improvements, lane re-configurations to improve traffic safety and flow, bike lane installations, etc).
- Initiate feasibility and preliminary engineering studies to advance MPO projects. In FY 22, this will include the East Fayette Trail Connectivity & Traffic Safety Study (pending local match) (see Studies section of UPWP).
- Work with federally-funded transit agencies including Lextran and their paratransit service provided by the American Red Cross (Wheels), Federated Transit Services of the Bluegrass (FTSB), and Bluegrass Ultra-Transit Service (BUS - Jess-Lex and NichTran) to implement and expand public transit programs and projects in the Lexington area.
- Coordinate with Lextran to implement improvement projects identified through the Lextran Transit Route Facilities Inventory including ramps/landing pads, connecting sidewalks, signage, shelters, benches and other amenities.
- Coordinate with the non-profit Via Creative to install artistic bus shelters in the Lexington area.
- Develop partnerships with public, private and non-profit agencies to advance transportation projects and programs of mutual interest.
- Assist in developing and updating local design and maintenance standards for pedestrian and bicycle facilities.

WORK ELEMENTS

- Research and assist with funding applications for bicycle, pedestrian, transit and roadway projects (e.g. STBG-TA, CMAQ, TIGER, INFRA, BUILD, CRRSSA).
- Facilitate the deployment of Shared Mobility Devices and Mobility as a Service initiatives in the Lexington Area.

PRODUCTS*

- Attendance at program and project development meetings noted in MPO Quarterly Reports.
- Attendance at coordination meetings to implement MPO plans and related work efforts noted in MPO Quarterly Reports.
- Approved scope of work and approved contracts for the annual ITS/CMS program (STBG-SLX funds) (July 2021)
- RFP, scope of work and executed contract with selected consultant for the East Lexington Trail Connectivity & Traffic Safety Study (pending local match) (Q3 of FY22)
- Approved construction designs, encroachment permits and utility relocations for Lextran and Via Creative bus stop improvements (ongoing).
- Funding applications for bicycle, pedestrian, transit & roadway projects submitted by the MPO & partnering agencies.
- Locally adopted policies, rules, regulations fees, etcetera for shared mobility device programs and documented in local ordinance (ongoing).

**MPO is responsible agency unless otherwise noted*

Total Staff Months 20	FHWA (PL)			FHWA (STBG-SLX)		FTA (5303)		TOTAL
	FHWA (80%)	KYTC (5%)	LOCAL (15%)	FHWA (80%)	LOCAL (20%)	FTA (80%)	LOCAL (20%)	
Personnel	\$72,759	\$4,547	\$13,642	\$51,985	\$12,996	\$9,615	\$2,404	\$167,950
Operating								
Total	\$72,759	\$4,547	\$13,642	\$51,985	\$12,996	\$9,615	\$2,404	\$167,950

WORK ELEMENTS

4.0 Land Use & Transportation Impact

PURPOSE

To ensure local planning goals are integrated into the MPO's transportation planning process. To support and inform local and regional comprehensive planning and land use development to achieve regional transportation goals including safety, access, equity and system efficiency.

WORK ACTIVITIES

- Provide transportation planning input into Comprehensive, Small Area and Corridor Plans.
- Ensure projects and priorities identified through local planning processes are evaluated in the MPO's transportation planning process for inclusion in the MTP and TIP.
- Update the MPO's Travel Demand Forecasting Model with projected population and employment growth and planned transportation network connections identified in local planning documents.
- Provide input on Zoning, Subdivision and Development Plan proposals within the MPO area. Coordinate with KYTC District 7, local planning and traffic engineering agencies to develop recommendations on network connectivity; bicycle, pedestrian, transit facilities; access management; and other transportation improvements related to development proposals.
- Review and critique Traffic Impact Studies submitted as part of development applications.
- Recommend and develop regulatory changes to local Zoning Ordinances and Subdivision Regulations to achieve desired regional transportation planning outcomes including increased roadway connectivity, walkability, bike-friendly and transit-oriented development.
- Implement the Imagine Nicholasville Road land use and transportation plan. Activities may include traffic simulation studies, transit service / capital needs assessments, and developing land use & design regulations.
- Initiate and participate in the Northeast New Circle Road Coordinate Land Use & Transportation Plan (see Studies section of UPWP).
- Participate in the Jessamine-Fayette Connectivity Study being conducted by KYTC, in coordination with the MPO (see Studies section of UPWP).

PRODUCTS*

- Technical memoranda of staff findings on Subdivision, Zoning, Development Plans and Traffic Impact Studies (ongoing)
- Zoning Text Amendments (ZOTAs) and Subdivision Regulation Amendments (SRAs) adopted by local Planning Commissions and City Council (ongoing)
- Completed Jessamine-Fayette Connectivity Study (Q1 of FY22)
- RFP, scope of work and executed contract with selected consultant for Northeast New Circle Road Coordinated Land Use & Transportation Plan (pending local match) (Q3 of FY22)
- Lexington Area Travel Demand Forecasting Model updates on population and employment changes reports to KYTC (ongoing)

**MPO is responsible agency unless otherwise noted*

Total Staff Months 26.5	FHWA (PL)			FHWA (STBG-SLX)		FTA (5303)		TOTAL
	FHWA (80%)	KYTC (5%)	LOCAL (15%)	FHWA (80%)	LOCAL (20%)	FTA (80%)	LOCAL (20%)	
Personnel	\$87,705	\$5,482	\$16,445	\$62,638	\$15,660	\$11,591	\$2,898	\$202,417
Operating								
Total	\$87,705	\$5,482	\$16,445	\$62,638	\$15,660	\$11,591	\$2,898	\$202,417

WORK ELEMENTS

5.0 Participation & Outreach

PURPOSE

To engage the public and stakeholders in the transportation planning process in accordance with the MPO's Participation Plan (PP). To conduct outreach campaigns to inform the general public of transportation options available in the Lexington Area and to promote safety across all travel modes.

WORK ACTIVITIES

- Review and update the Participation Plan as needed.
- Issue media releases for plan updates, amendments and public meetings.
- Conduct outreach and surveys when developing studies and plans.
- Update the MPO website & create an enhanced "TIP projects" digital map on the MPO website.
- Update the Lexington Area digital bike map and publish a print version.
- Maintain and expand the MPO's public email database and issue notices to the list.
- Utilize social media to share transportation-related information including to the MPO's Facebook and Twitter page and Lex Bike Walk Facebook page.
- Attend neighborhood and community-based / non-profit organization meetings to share information about transportation planning activities.
- Strategically target participation and outreach efforts to engage Title VI and LEP individuals as outlined in the Participation Plan and Title VI Program Plan.
- Collaborate with the LFUCG Division of Environmental Quality to conduct a public information campaign for transportation planning activities, project development, operational improvements and maintenance activities. The program will utilize intern personnel as denoted below (STBG-SLX funds only).
- Implement a marketing plan to promote alternative transportation options and to target drivers, pedestrians, bicyclists and scooter users with safety messages. (STBG-SLX funds only)
- Respond to public information requests regarding transportation planning activities, projects and programs for roadways, drivers, bicycles, pedestrians and transit users.

PRODUCTS*

- Updated Participation Plan (ongoing)
- Updated MPO website (ongoing) and statistics on website page views (quarterly)
- Regular social media updates and statistics on page followers, views and reach (quarterly)
- Press releases issued for appropriate MPO activities (as needed)
- Public meetings and/or surveys to guide MPO products and work (as needed)
- Updated digital bike map (ongoing) and print bike map (Q1 of FY 22)
- Marketing materials and paid advertising (STBG-SLX funds only)
- Promotional items for distribution at public events and meetings (STBG-SLX funds only)

**MPO is responsible agency unless otherwise noted*

Total Staff Months 5.0	FHWA (PL)			FHWA (STBG-SLX)		FTA (5303)		TOTAL
	FHWA (80%)	KYTC (5%)	LOCAL (15%)	FHWA (80%)	LOCAL (20%)	FTA (80%)	LOCAL (20%)	
MPO Personnel	\$17,647	\$1,103	\$3,309	\$12,603	\$3,151	\$2,332	\$583	\$40,729
Intern Personnel				\$17,198	\$4,299			\$21,497
Operating	\$0	\$0	\$0	\$64,392	\$16,098	\$0	\$0	\$80,490
Total	\$17,647	\$1,103	\$3,309	\$94,193	\$23,548	\$2,332	\$583	\$142,716

6.0 Program Administration

PURPOSE

To support and manage a continuous, cooperative and comprehensive metropolitan planning process that is compliant with the FAST Act to ensure state and local partners remain eligible for federal transportation funds to improve the transportation system. Develop and administer an annual work program and budget, and execute applicable agreements with partner agencies. Provide a trained professional staff to develop MPO products and facilitate MPO committee work.

WORK ACTIVITIES

- Administer the overall MPO planning process in coordination with local, regional, state and federal partners.
- Monitor state and federal policies, legislation and other transportation information to ensure compliance with all KYTC, FHWA, and FTA requirements and regulations.
- Manage the implementation of work tasks and budgets outlined in the FY 22 Unified Planning Work Program.
- Prepare and submit Quarterly Reports to KYTC on the progress of FY 22 Work Program activities and related expenditures.
- Prepare and submit an Annual Performance and Expenditure Report to KYTC outlining all FY 22 Work Program activities and related expenditures.
- Develop the FY 23 Unified Planning Work Program.
- Maintain MPO Planning Agreements and update as needed.
- Provide administrative and technical assistance to the Transportation Technical Coordinating Committee (TTCC), Transportation Policy Committee (TPC), Congestion Management Air Quality Committee (CMAQ), Bicycle Pedestrian Advisory Committee (BPAC) and Project Coordination Team (PCT).
- Participate in KYTC, FHWA and other state and federally required meetings.
- Participate in LFUCG Division of Planning, Planning Commission and Urban County Council meetings to meet LFUCG transportation planning obligations.
- Participate in Jessamine County / Nicholasville Planning, Transportation Task Force and project development meetings.
- Respond to inquiries from various agencies, citizens groups and other stakeholders.
- Administer a competitive project selection process for Lexington Area MPO sub-allocated Surface Transportation Block Grant – Transportation Alternatives (STBG-TA) funding.
- Distribute information to LPAs on KYTC funding application cycles for Congestion Mitigation and Air Quality (CMAQ) and Transportation Alternatives (STGB-TA).
- Assist Local Public Agencies (LPAs) in complying with federal requirements for STBG-SLX, STBG-TA and CMAQ funding and to ensure timely progress on implementing awarded projects.
- Maintain and update the MPO's Title VI Program Plan to ensure compliance with Title VI of the Civil Rights Act of 1964, Executive Order 12898: Environmental Justice in Minority and Low Income Populations, and Executive Order 13166: Improving Access to Services for Persons with Limited English Proficiency.
- Monitor the requirements and status of Local Public Agency ADA Transition Plans.

WORK ELEMENTS

- Attend relevant transportation-related training programs, courses, conferences, workshops and webinars (out-of-state training to be pre-approved through KYTC).
- Procure software, computer hardware, office equipment and office supplies to support the work activities of MPO staff.

PRODUCTS

- Draft FY-2023 UPWP (February 28, 2022)
- Approved FY-2023 UPWP (April 27, 2022)
- FY-2022 UPWP Progress Reports (quarterly)
- FY 2022 Annual Performance and Expenditure Report (September 30, 2022)
- Annual Title VI Program Plan (June 30, 2022)
- Agendas and Minutes of MPO Committee meetings (monthly)
- Competitive selection process for STBG-TA funds (as needed)
- Training activities (noted Quarterly Reports)
- Software, computer hardware, office equipment and supplies (as needed)

Total Staff Months 22.5	FHWA (PL)			FHWA (STBG-SLX)		FTA (5303)		TOTAL
	FHWA (80%)	KYTC (5%)	LOCAL (15%)	FHWA (80%)	LOCAL (20%)	FTA (80%)	LOCAL (20%)	
Personnel	\$68,519	\$4,282	\$12,847	\$48,935	\$12,234	\$9,055	\$2,264	\$158,136
Operating	\$35,360	\$2,210	\$6,630					\$44,200
Total	\$103,879	\$6,492	\$19,477	\$48,935	\$12,234	\$9,055	\$2,264	\$202,336

WORK ELEMENTS

SUMMARY OF WORK ELEMENTS BY FUNDING SOURCE

WORK ELEMENT	PL PLANNING FUNDS			SLX FUNDS		SEC. 5303 FUNDS		EST. COST
	FHWA 80%	KYTC 5%	LFUCG 15%	FHWA 80%	LFUCG 20%	FTA 80%	LFUCG 20%	
1.0 Transportation System Data & Monitoring	\$42,364	\$2,648	\$7,943	\$30,256	\$7,564	\$5,599	\$1,400	\$97,773
2.0 Project Identification & Prioritization	\$77,246	\$4,828	\$14,484	\$55,168	\$13,792	\$10,208	\$2,552	\$178,278
3.0 Program & Project Implementation	\$72,759	\$4,547	\$13,642	\$51,985	\$12,996	\$9,615	\$2,404	\$167,950
4.0 Land Use & Transportation Impact	\$87,705	\$5,482	\$16,445	\$62,638	\$15,660	\$11,591	\$2,898	\$202,417
5.0 Participation & Outreach	\$17,647	\$1,103	\$3,309	\$94,193	\$23,548	\$2,332	\$583	\$142,716
6.0 Program Administration	\$103,879	\$6,492	\$19,477	\$48,935	\$12,234	\$9,055	\$2,264	\$202,336
TOTAL	\$401,600	\$25,100	\$75,300	\$343,176	\$85,794	\$48,400	\$12,100	\$991,470

SUMMARY OF MPO STAFF MONTHS BY ELEMENT

WORK ELEMENT	STAFF MONTHS (9 Staff)	
	MONTHS	PERCENT
1.0 Transportation System Data & Monitoring	12.0	11.1%
2.0 Project Identification & Prioritization	22.0	20.4%
3.0 Program & Project Implementation	20.0	18.5%
4.0 Land Use & Transportation Impact	26.5	24.5%
5.0 Participation & Outreach	5.0	4.6%
6.0 Program Administration	22.5	20.8%
TOTAL	108.0	100.0%

Congestion Management / Bottleneck Study

SCOPE

Conduct a congestion management / bottleneck study along the Congestion Management Network. The study will be completed in FY 2022. The study is being guided by the Lexington Area MPO's Congestion Management Committee (CMC) and is being conducted in close coordination with KYTC District 7 and the LFUCG Traffic Engineering and Engineering Departments. The selected consultants are analyzing INRIX™ and other available data sources to identify intersections and roadway segments with high rates of traffic incidents, poor travel time reliability, and to identify locations with the greatest duration and impact of congestion.

The consultants will identify lower cost, high impact improvements at 10 to 20 locations. Deliverables include data analysis for multiple corridors/intersections, a prioritized list of top bottleneck locations, conceptual designs for the selected locations and planning level cost estimates for proposed improvements.

COST & SCHEDULE

Total cost is \$225,000 with 100% federal funds (PL funds with toll credit match). The project commenced in FY 2021 and will be completed by December 2021. The Lexington Area MPO is the lead agency. Participation in study meetings, reviewing work projects and coordinating with the consulting team will be charged to work element 2.0 Project Identification & Prioritization.

Jessamine-Fayette Connectivity Study

SCOPE

Conduct a study of connectivity and mobility in southeast Fayette County and northeast Jessamine County. The study will be completed in FY 2022. The area has experienced rapid growth in recent years and lacks safe and adequate east-west connectivity south of Man o' War Boulevard. With the impending completion of the East Nicholasville Bypass in Jessamine County, geometrically undesirable local rural roadways between the City of Nicholasville, the Bypass and I-75 are forecast to handle upwards of 17,000 vehicles per day. The study is exploring options to improve connectivity, safety and mobility in this area. Deliverables will include a prioritized list of potential improvement options and cost estimates.

COST & SCHEDULE

Total cost is \$250,000 with 100% federal funds (PL funds with toll credit match). The project commenced in FY 21 and will be completed by June 2022. The KYTC Central Office Division of Planning is the lead agency. Federal funding for the study is administered by KYTC and is not included in the MPO's UPWP funding summary table. MPO participation in study meetings, reviewing work projects and coordinating with the consulting team will be charged to work element 4.0 Land Use & Transportation Impact.

Lextran Comprehensive Operations Analysis (COA)

SCOPE

In FY 2021 Lextran initiated a Comprehensive Operations Analysis (COA) to provide a path to better align resources and service demands. The COA will be completed in FY 2022. The purpose of the COA is to answer determine if transit service is being provided in the appropriate areas with adequate frequency at the appropriate times of day. The COA will provide vision and direction to Lextran through 2025.

Phase 1 includes an existing conditions analysis to 1) analyzing existing fixed-routes and schedules in light of current market conditions, including a review of Title VI issues and Americans with Disabilities Act considerations; 2) conducting a survey of existing fixed-route, paratransit, and ride share ridership to determine demographics, trip patterns, and customer perspectives on service; 3) investigating Lextran's current position and glean future needs through public outreach, focus groups, and strategic sessions with the Lextran Board of Directors and staff; and 4) Evaluate existing funding sources.

Phase 2 of the COA includes a service alignment analysis: 1) Conduct a data-driven analysis to suggest modifications that improve fixed-route service efficiency. This may include short term and long-range changes to the route structure and the pulse system and the exploration of a more grid-based system with multiple transfer points; 2) Conduct a data-driven analysis that identifies and evaluates areas for investment, including new service areas, park-and-ride facilities, economic development and so forth; 3) Create fixed-route schedules in light of local market conditions that continue to provide effective service while increasing efficiency; 4) Identify operational policies and procedures to improve paratransit effectiveness and efficiency; 5) Identify target markets for rideshare expansion.

Phase 3 of the COA includes exploring project and programmatic feasibility including: Create comprehensive transit service scenarios, including programs of projects, for consideration by Lextran's staff and Board of Directors; evaluating emerging transportation delivery models, such as mobility as a service, and their application within the Lexington context; identifying and evaluating potential funding sources; Concluding with a summary of findings for dissemination to stakeholders.

COST & SCHEDULE

Total cost is \$400,000 using \$320,000 (80%) in federal FTA 5303 funds and \$80,000 (20%) in matching funds from Lextran. The project commenced in FY 21 and will be completed by June 2022. Lextran is the responsible agency. Federal funding for the study is administered by the MPO. MPO participation in study meetings, reviewing work projects and coordinating with the consulting team will be charged to work element 2.0 Project Identification & Prioritization.

Northeast New Circle Road Corridor Plan

SCOPE

Complete a coordinated corridor land use plan and transportation study for the entirety of the signalized portion of Northeast New Circle Road. The primary purpose of the study is to identify how land use changes and incremental densification of the corridor will result in needed transportation improvements and how transportation improvements may spur and enhance redevelopment. The study will identify opportunities for intensifying residential and mixed land uses along the corridor; Identify potential impacts and solutions for transit, non-motorized and vehicular travel that will result from more intensive land uses; Estimate the cost and recommend phasing of needed transportation improvements; Develop a regulatory framework for implementing the plan; and facilitate public and stakeholder engagement.

COST & SCHEDULE

Total cost is \$250,000 using \$200,000 (80%) in federal STBG-SLX funds with LFUCG providing \$50,000 (20%) in matching funds (pending approval in LFUCG FY-22 Budget). If approved, the study will commence in Q2 of FY 22 and conclude in 18 months. The MPO will be the responsible agency. MPO participation in study meetings, reviewing work projects and coordinating with the consulting team will be charged to work element 4.0 Land Use & Transportation Impact.

East Lexington Trail Connectivity & Traffic Safety Study

SCOPE

Determine an alignment for a shared use trail from Third Street / Isaac Murphy Memorial Art Garden (IMMAG) to trails planned for construction along Liberty Road as part of roadway improvements both inside and outside New Circle Road. The study will evaluate off-road trail alignments paralleling Liberty Road, including along active and inactive rail corridors. It will also evaluate alignments along roadways, including Winchester Road, and recommend any vehicular and trail-related improvements needed to improve safety. The study will include detailed traffic and engineering analysis of improvements on Winchester Rd at the intersection of Midland Ave and Third Street to provide for 1) safe pedestrian and bicycle crossings to IMMAG; 2) improved vehicular safety and intersection geometrics; 3) improved freight movements and access to the Smucker Company property; and 4) a new visual and multimodal gateway to downtown and East End neighborhoods. The study will include detailed traffic engineering analysis and recommendations as necessary for intersections upstream and downstream from Third Street (such as Walton Ave/Main Street/Liberty Rd) that may require coordinated improvements.

COST & SCHEDULE

Total cost is \$150,000 using \$120,000 (80%) in federal STBG-SLX funds with LFUCG providing \$30,000 (20%) in matching funds (pending approval in LFUCG FY-22 Budget). If approved, the study will commence in Q2 of FY 22 and conclude in 12 months. The MPO will be the responsible agency. MPO participation in study meetings, reviewing work projects and coordinating with the consulting team will be charged to work element 3.0 Program & Project Implementation.

STUDIES & PLANS

SUMMARY OF STUDIES & PLANS BY FUNDING SOURCE

Study	Lead Agency	Completion Date	FHWA (PL)			FHWA (STBG-SLX)		FTA (5303)		TOTAL
			FHWA	KYTC	LOCAL	FHWA	LOCAL	FTA	LOCAL	
Congestion Management / Bottleneck Study*	Lex Area MPO	December 2021	\$225,000	\$0	\$0	\$0	\$0	\$0	\$0	\$225,000
Jessamine-Fayette Connectivity Study*	KYTC	June 2022	\$250,000	\$0	\$0	\$0	\$0	\$0	\$0	\$250,000
Lextran Comprehensive Operational Analysis	Lextran	June 2022	\$0	\$0	\$0	\$0	\$0	\$320,000	\$80,000	\$400,000
Northeast New Curcle Road Corridor Plan	Lex Area MPO / LFUCG	June 2023	\$0	\$0	\$0	\$200,000	\$50,000	\$0	\$0	\$250,000
East Lex Trail Connectivity & Traffic Safety Study	Lex Area MPO	December 2022	\$0	\$0	\$0	\$120,000	\$30,000	\$0	\$0	\$150,000
Total			\$475,000	\$0	\$0	\$320,000	\$80,000	\$320,000	\$80,000	\$1,275,000

*Toll-Credit Match - 100% Federal Funds

** KYTC Funded

FINANCIAL SUMMARY

SUMMARY OF ALL MPO ACTIVITIES BY FUNDING SOURCE

WORK ELEMENT / STUDY	Lead Agency	Completion Date	FHWA (PL)			FHWA (STBG-SLX)		FTA (5303)		EST. COST
			FHWA	KYTC	LOCAL	FHWA	LOCAL	FTA	LOCAL	
1.0 Transportation System Data & Monitoring	Lex Area MPO	June 2022	\$42,364	\$2,648	\$7,943	\$30,256	\$7,564	\$5,599	\$1,400	\$97,773
2.0 Project Identification & Prioritization	Lex Area MPO	June 2022	\$77,246	\$4,828	\$14,484	\$55,168	\$13,792	\$10,208	\$2,552	\$178,278
3.0 Program & Project Implementation	Lex Area MPO	June 2022	\$72,759	\$4,547	\$13,642	\$51,985	\$12,996	\$9,615	\$2,404	\$167,950
4.0 Land Use & Transportation Impact	Lex Area MPO	June 2022	\$87,705	\$5,482	\$16,445	\$62,638	\$15,660	\$11,591	\$2,898	\$202,417
5.0 Participation & Outreach	Lex Area MPO	June 2022	\$17,647	\$1,103	\$3,309	\$94,193	\$23,548	\$2,332	\$583	\$142,716
6.0 Program Administration	Lex Area MPO	June 2022	\$103,879	\$6,492	\$19,477	\$48,935	\$12,234	\$9,055	\$2,264	\$202,336
Congestion Management / Bottleneck Study*	Lex Area MPO	December 2021	\$225,000	\$0	\$0	\$0	\$0	\$0	\$0	\$225,000
Jessamine-Fayette Connectivity Study**	KYTC	June 2022	NA	NA	NA	NA	NA	NA	NA	NA
Lextran Comprehensive Operational Analysis	Lextran	June 2022	\$0	\$0	\$0	\$0	\$0	\$320,000	\$80,000	\$400,000
Northeast New Curcle Road Corridor Plan	Lex Area MPO / LFUCG	June 2023	\$0	\$0	\$0	\$200,000	\$50,000	\$0	\$0	\$250,000
East Lex Trail Connectivity & Traffic Safety Study	Lex Area MPO	December 2022	\$0	\$0	\$0	\$120,000	\$30,000	\$0	\$0	\$150,000
Total all MPO Activities			\$626,600	\$25,100	\$75,300	\$663,176	\$165,794	\$368,400	\$92,100	\$2,016,470

LEXINGTON AREA MPO RESOLUTION APPROVING THE FY 22 UPWP

RESOLUTION

OF THE TRANSPORTATION POLICY COMMITTEE OF THE LEXINGTON AREA
METROPOLITAN PLANNING ORGANIZATION (MPO)

CONCERNING APPROVAL OF THE FY-2022
UNIFIED PLANNING WORK PROGRAM (UPWP)

WHEREAS, the Lexington Area Metropolitan Planning Organization has prepared a Unified Planning Work Program (UPWP) for Fiscal Year 2022 In defining a scope of work to meet the needs of this region for which funding can be sought from the United States Department of Transportation and the state of Kentucky; and

WHEREAS, the Unified Planning Work Program for Fiscal Year 2022 has been reviewed by appropriate state and federal agencies; and

WHEREAS, the Unified Planning Work Program for Fiscal Year 2022 hereby certifies that all requirements of CFR, Part 450 relating to the Urban Transportation Planning Process have been met; and

NOW THEREFORE BE IT RESOLVED, that the Lexington Area Metropolitan Planning Organization's Transportation Policy Committee hereby approves the Lexington Area MPO FY-2022 Unified Planning Work Program, at its regular public meeting of April 28, 2021.

RESOLUTION APPROVED: April 28, 2021

AUTHORIZED SIGNATURES:



David West, Judge Executive of Jessamine County Kentucky
Transportation Policy Committee Chairman
Lexington Area Metropolitan Planning Organization (MPO)



Kenzie Gleason, Executive Secretary
Transportation Policy Committee
Lexington Area Metropolitan Planning Organization (MPO)

LEXINGTON AREA MPO PLANNING AGREEMENT (MOA)

MEMORANDUM OF AGREEMENT

By and Between

LEXINGTON AREA METROPOLITAN PLANNING ORGANIZATION

The

TRANSIT AUTHORITY OF LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT (LEXTRAN)

And the

KENTUCKY TRANSPORTATION CABINET

This Memorandum of Agreement (MOA) is made by and between the Lexington Area Metropolitan Planning Organization (hereinafter referred to as MPO), the Transit Authority of Lexington-Fayette Urban County Government (hereinafter referred to as Lextran), and the Kentucky Transportation Cabinet (hereinafter referred to as KYTC).

Lexington Area MPO Structure

The MPO organizational structure consists of the Transportation Policy Committee (TPC), the Transportation Technical Coordinating Committee (TTCC), and two advisory subcommittees - Congestion Management Air Quality Committee (CMAQ) and Bicycle Pedestrian Advisory Committee (BPAC).

The TPC serves as the decision-making body of the MPO, and has responsibilities including approval of plans, implementation of programs, transportation projects prioritization, provision of transportation planning and guidance, and other similar related actions.

The TTCC serves as an advisory body to the TPC and provides transportation related technical review, guidance and assistance.

The MPO also utilizes specialized advisory committees and working groups which may include members such as transit operators and consumers, bicycle groups, various technical staff, members of MPO committees and other interested parties to help inform and advise the TTCC and TPC.

THE AGENCIES AGREE AS FOLLOWS:

The Lexington Fayette Urban County Government (LFUCG) Transportation Planning Section of Fayette County Kentucky is the designated staff agency for the MPO, serving the planning area of Fayette, Jessamine Counties and a small portion of Scott County at the Northern Fayette County border, the Lexington urbanized area and the two Jessamine County cities: Nicholasville and Wilmore.

Fayette and Jessamine County governments and the cities within actively participate and have regular representation on the various MPO committees. In consultation with Scott County on June 4, 2014 (following the 2010 Census that added a small portion of Scott County to the MPO Urbanized Area) Scott

APPENDIX

County Officials decided not to actively participate or be represented within the MPO process at this time. There was an interest to revisit participation in the future. The MPO pledged to continue conscientious coordination with Scott County in the on-going transportation planning process.

Lextran is the designated recipient of Federal Transit Administration funds designated for the urbanized area. Lextran constitutes an agency and instrumentality of the LFUCG and a political subdivision and public body corporate of the Commonwealth of Kentucky created pursuant to KRS 96A.020(1) for the purpose of promoting and developing mass transportation in its transit area and adjoining areas. The Board of Directors of Lextran manages, controls, and conducts the business, activities, and affairs of Lextran pursuant to KRS 96A.040(1) and may employ an Executive Director or General Manager pursuant to KRS 96A.070 (1).

In addition, Bluegrass Community Action, Bluegrass Ultra Transit (BUS) provides regional public transit between the city of Nicholasville and Lexington (hereinafter referred to as Jesslex). Federated Transportation Service of the Bluegrass (FTSB) also provides para-transit Medicare transportation services within the MPO planning area.

Performance-Based Transportation Planning & Programming

The MPO will develop and carry out a performance-based metropolitan transportation planning process in cooperation and consultation with KYTC and Lextran for Fayette and Jessamine Counties.

KYTC and the MPO mutually agree to share available data related to performance measurement and target setting with each other, subject to the policies and procedures of each agency. Examples of such data include, but are not limited to traffic counts, travel times/speeds, socioeconomic data, travel demand modeling information, transit ridership data and infrastructure condition measures.

The MPO will plan and program projects that contribute to the achievement of KYTC's statewide performance targets and/or commit to quantifiable performance targets for the metropolitan planning area or any portion thereof.

KYTC will notify the MPO as soon as practicable upon the establishment and/or modification of its performance targets.

Quantifiable performance targets must be approved by the MPO Policy Committee and reported to KYTC within 180 days of the establishment of statewide performance targets by KYTC.

The MPO will consider integration of relevant goals, objectives, and performance measures and targets developed by KYTC and Lextran into the transportation plans, programs and processes of the MPO. KYTC and Lextran will consider integration of relevant goals, objectives, and performance measures and targets developed by the MPO in decisions regarding their plans and planning activities within the MPO planning area.

The MPO, in collaboration with the KYTC and other agency partners, will develop, implement, and maintain a Congestion Management Process to assist in the identification and selection of projects for the Transportation Improvement Program (TIP) and Metropolitan Transportation Plan (MTP). The Congestion Management Process will be consistent with the KYTC's statewide performance targets or the MPO's performance targets as applicable.

Metropolitan Transportation Plan (MTP)

APPENDIX

In cooperation and coordination with KYTC, Lextran and other agency partners, the MPO will develop and maintain a Metropolitan Transportation Plan (MTP) in compliance with all relevant laws and regulations. The MPO shall review and update the transportation plan at least every five years to confirm the transportation plan's validity and consistency with current and forecasted transportation and land use conditions and trends, and to extend the forecast period to at least a 20-year planning horizon.

The MPO will initiate, in consultation with KYTC, Lextran and other agency partners, the selection of projects to include in the MTP. The initial list of MTP projects will be confirmed, supplemented by or revised by public input received during the public comment period of the MTP. The MPO will receive and address all comments and include documentation as part of the MTP.

KYTC will provide the MPO with sufficient details, including location, description and cost for projects proposed or endorsed by KYTC for inclusion in the MTP.

LFUCG (including the Division of Engineering, Traffic Engineering, and other agencies as appropriate) will provide the MPO with sufficient details, including location, description and cost for projects proposed or endorsed by the LFUCG for inclusion in the MTP.

Lextran will provide the MPO with sufficient details, including location, description and cost for projects proposed or endorsed by Lextran and the MPO for inclusion in the MTP.

At the request of the MPO, KYTC will provide preliminary system-level estimates of costs necessary to adequately operate and maintain the Federal-aid highway system within the planning **area**. The MPO may adjust these preliminary cost estimates with KYTC's concurrence.

At the request of the MPO, Lextran, BUS, FTSB, Jessamine County Fiscal Court and the cities of Nicholasville and Wilmore, LFUCG agency partners including Engineering - Traffic Engineering - Streets and Roads and other agencies as necessary will provide preliminary system-level estimates of costs necessary to adequately operate and maintain the local highway system and transit systems within the planning area. The MPO may adjust these preliminary cost estimates with KYTC's concurrence.

At the request of the MPO, KYTC will provide available information on historic levels of transportation expenditures for Fayette and Jessamine Counties and the state of Kentucky; an estimate of current typical annual transportation spending at the **state** level; an estimate of the annual construction cost inflation rate over the time horizon covered by the MTP; and an estimate of the annual rate of change of transportation spending over the life of the MTP. The MPO may adjust the annual construction cost inflation rate based on local conditions. Upon agreement with KYTC, the MPO may also adjust the annual rate of change of transportation spending.

The MPO is responsible for developing a financially reasonable MTP in consultation with KYTC, Lextran and other agency partners, and will be in compliance with current federal planning regulations set forth by the Federal Highway Administration (FHWA) and Federal Transit Administration (FTA). The MTP will follow public participation guidelines outlined in the MPO Participation Plan and in compliance with state and federal regulations.

The MPO will prepare necessary amendments and/or administrative modifications to the MTP that will include a project description, location, cost estimates, and impact on financial constraint, if applicable. Amendments and administrative modifications will follow the procedures outlined in the latest approved MPO Participation Plan.

APPENDIX

The final MTP will be approved by the MPO Transportation Policy Committee and will include a financial plan that clearly states the methods and assumptions used to determine the financial reasonableness of the MTP.

Transportation Improvement Program (TIP)

In cooperation and coordination with KYTC, Lextran and other agency partners, the MPO will develop and maintain a Transportation Improvement Program (TIP) as the short-range program of projects for the MPO **area**. The TIP will be consistent with all federal requirements and will cover a period of no less than four years at the time of its adoption, and it will be updated at least every four years. The final TIP will be approved by the MPO Policy Committee.

Projects included in the TIP will be consistent with the Kentucky Highway Plan, developed by KYTC in cooperation with the MPO and reviewed/approved biennially by the Kentucky General Assembly.

The MPO is responsible for developing a fiscally constrained TIP. The cooperative process for completing the TIP Financial Plan shall be as follows:

For federal funding categories not sub-allocated to the MPO, the financial plan is based on the fiscal constraint maintained by the KYTC and demonstrated in the Kentucky STIP.

KYTC will provide an estimate of available federal funds for the funding categories that are sub-allocated to the MPO.

The MPO will ensure that fiscal constraint is maintained for funds that are sub-allocated to the MPO.

The MPO is responsible for ensuring that the estimated available funds and project costs in the TIP reflect year of expenditure (YOE) amounts. KYTC, Lextran, and other agency partners will assist the MPO in identifying YOE costs for TIP projects.

At the request of the MPO, KYTC will provide cost estimates and project schedules for projects sponsored or endorsed by KYTC. LFUCG (including the Division of Engineering, Traffic Engineering, and other agencies as appropriate) will provide this information for projects proposed or endorsed by the LFUCG for inclusion in the TIP. KYTC may, at its discretion, provide cost estimates for projects sponsored by other agencies.

The MPO will amend or modify the TIP as needed to reflect changes in project implementation schedules and costs; the development of new operations, maintenance or safety projects by KYTC; or successful grant applications for federal program funds.

Participation Plan

In compliance with metropolitan planning regulations, the MPO has developed a Participation Plan which outlines a formal public involvement process, including public notice and comment periods, which is followed in the development of the TIP and MTP. The MPO agrees to follow its public involvement process **as a** part of all metropolitan-wide transportation planning initiatives. The MPO will review the Participation Plan annually and initiate a major update on a 5-year cycle or as determined by the annual review. Minor revisions to the Participation Plan will not require public review and notifications.

Annual Listing of Obligated Projects

The MPO will develop an Annual Listing of Obligated Projects outlining all projects within the metropolitan planning area for which funding has been obligated over the past fiscal year.

Following the end of each fiscal year, KYTC will provide information to the MPO on funds obligated under 23U.S.C.

Lextran and BUS will prepare an annual listing of obligated projects that meet all applicable Federal requirements and will share the information with the MPO on funds obligated under 49

U.S.C. Chapter 53 or other funding sources.

The MPO will provide the annual listing of obligated projects to KYTC in time for KYTC to submit the listing to FHWA by the Federal deadline.

Unified Planning Work Program

The MPO will annually prepare a Unified Planning Work Program (UPWP) for the following fiscal year based on anticipated funding levels. The MPO will submit a copy to all applicable parties for review and determination of eligibility, in accordance with established schedules and document routing requirements.

The MPO will coordinate with KYTC, Lextran and other agency partners to determine appropriate work tasks to be included in the UPWP.

Funding parameters for the UPWP will be determined by the amount of Kentucky Metropolitan Planning (PL) funds distributed to the MPO by the Kentucky MPO Council. This is determined each year in consultation with KYTC. Additionally, the inclusion of FTA funds shall be considered during the development of the UPWP.

The MPO will coordinate with Lextran on the development and submittal of the FTA 5303 application. The LFUCG contracts with Lextran for all transit services, with Lextran as the recipient of FTA funds. The MPO will not be responsible for providing the local match to FTA 5303 funds, unless otherwise negotiated.

Committee Membership

KYTC will be permitted to appoint at least one voting member to the MPO Policy Committee and at least two voting members to the MPO Technical Committee.

APPENDIX

Lextran will be represented by the General Manager on the MPO Policy Committee, with voting membership.

Lextran transit staff will be permitted one voting member on the MPO Transportation Technical Coordinating Committee (TTCC).

Transit Coordination

The MPO will coordinate with Lextran and other regional transit providers on matters related to public transportation as they pertain to the MPO transportation planning process.

The MPO will provide input to Lextran on MPO related planning projects and can represent the MPO on Lextran committees or meetings on an as needed or ad-hoc basis.

The MPO will coordinate with Lextran to ensure that all identified transit-related projects are included in the TIP.

The MPO, Lextran and KYTC agree that the public and agency outreach procedures for TIP Amendment and Administrative Modification processes included in the Participation Plan are adequate to meet the public input required for Lextran's Program of Projects (POP) and meet the intent of the federal planning regulations.

The MPO will coordinate and assist Lextran and other public transit providers in the development of the Coordinated Public- Human Services Transportation Plan

Termination and Modification

It is the intent of the MPO, KYTC, and Lextran to carry forward the planning process on a continuing basis. It is the intention of the parties that this agreement will be in effect for a period beginning on the execution of this agreement.

This agreement will remain in effect until terminated or superseded by a new agreement. Any agency subject to this agreement may withdraw from the agreement by giving thirty (30) days written notice to all other agencies subject to the agreement. In the event that an agency withdraws from this agreement, the rights and responsibilities of the remaining agencies will remain unchanged with respect to each other until this agreement is amended or replaced.

In the event that this agreement requires modification for any reason, the required modifications may be accomplished through the execution of a letter modification or supplementary agreement between all agencies subject to this agreement.

This agreement may be amended or replaced with a new agreement at any time upon the written consent of all remaining signatory agencies. In the event that this agreement is replaced with a new agreement, this agreement will become null and void when the new agreement goes into effect.

Dispute Resolution


Should a dispute arise which cannot be resolved between agency staffs and/or MPO committee members, the matter will be elevated to agency executives and, if necessary, the governor. The Federal Highway Administration (FHWA), Federal Transit Administration (FTA) and any other relevant agencies will be consulted throughout the dispute resolution process, as needed, and their input will be taken into consideration in attempting to resolve disputes. In the event that a dispute cannot be resolved, any

APPENDIX

signatory agency to this agreement may withdraw from the agreement as described above under Termination and Modification.

The signatures below signify the acceptance and approval of this agreement.

LEXINGTON AREA METROPOLITAN PLANNING ORGANIZATION




DAVID WEST
JESSAMINE COUNTY JUDGE EXECUTIVE
LEXINGTON AREA MPO POLICY COMMITTEE CHAIRMAN

7/12/17

DATE

COMMONWEALTH OF KENTUCKY TRANSPORTATION CABINET




GREG THOMAS
KYTC SECRETARY of TRANSPORTATION

3/8/17

DATE

TRANSIT AUTHORITY OF LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT (LEXTRAN)




CARRIE BUTLER
LEXTRAN GENERAL MANAGER

7/12/17

DATE

APPROVED AS TO FORM & LEGALITY TRANSPORTATION CABINET



OFFICE OF LEGAL SERVICES

7/31/17

DATE