



**Lexington Area Metropolitan  
Planning Organization**

Serving Fayette and Jessamine Counties

***Annual Performance and Expenditure Report***

***Fiscal Year 2019***

***July 1, 2018 through June 30, 2019***

***Unified Planning Work Program Funding Sources:***

FHWA PLANNING FUNDS

FTA 5303 FUNDS

KYTC Match

LFUCG Match

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\*Note: The Lexington Fayette Urban County Government (LFUCG) Division of Community Development (CD) tracks and accounts for Lexington Area MPO expenditures and funding within the structure of the Lexington Fayette Urban County Government (LFUCG) grants accounting/reporting system. The LFUCG Community Development / Grants Section staff develops financial reports for the Lexington Area MPO. Coordination throughout the fiscal year occurs between MPO staff and Community Development Grants Coordinators.

The MPO adheres to guidance and specific requirements of LFUCG Community Grant Coordinators to manage our federal transportation grants and to adjust charging of expenditures to UPWP elements and funding sources. The MPO will continue to work with the LFUCG Division of Community Development to improve future financial reporting by UPWP elements. The following is a compilation of work items listed by staff in the completed FY-2019 MPO monthly and quarterly reports that follows the format of the FY-2019 Unified Planning Work Program.

## **INTRODUCTION**

The Performance and Expenditure report describes the urban transportation planning activities performed or managed by the Lexington Area Metropolitan Planning Organization (MPO) - the MPO for the Central Kentucky urbanized area. The report covers Fiscal Year 2019, beginning July 1, 2018 through June 30, 2019. Applicable federal statutes are 23 USC 134 and 49 USC 5303. The primary federal regulations are 23 CFR 450 and 49 USC 613.

The urban transportation planning area is Fayette and Jessamine counties and a small portion of South Scott County. It encompasses a two county area of 457.65 square miles (Fayette = 284.52, Jessamine = 173.13, Scott = approximately 0.12). The area's total population as July 1, 2017 was 375,334 (Fayette = 321,959 and Jessamine = 53,375). The Lexington Area MPO region is part of the Lexington-Fayette Kentucky Metropolitan Statistical Area (MSA).

This report contains a brief purpose and brief descriptions of activities undertaken by the MPO staff during Fiscal Year 2019 for each work element within the Unified Planning Work Program (UPWP). If quantifiable measures of time or effort were available, they are listed with the work item. Work items are listed sequentially by quarter unless they were on-going items conducted throughout the fiscal year. As required by KYTC Planning, work items are categorized by either a planning **product** or an **effort**. Debatably there is often crossover between these categories. Finally, if there were delays or problems in completing the products for the work elements they are listed in the summary at the end of each of each program element.

## **REVISIONS of FY-2019 UNIFIED PLANNING WORK PROGRAM (UPWP)**

\*There were no revisions to the FY-2019 UPWP

**1.1 INVENTORY & MONITOR – TITLE VI / ADA – PARTICIPATION –  
COORDINATION / CONSULTATION - FY-2019**

**Inventory and Monitor Purpose:**

1. Monitor: Community growth dynamics, local, state, and national laws, ordinances, regulations, requirements, policies, trends, planning, best practices, studies, and issues regarding all modes of travel and related to transportation.
2. Monitor environmental and air quality information as related to transportation.
3. Monitor, collect and update roadway, transit, Census and other demographic / socioeconomic and statistical information.
4. Coordinate, communicate and provide useful information to KYTC and many other important stakeholders including citizens / public and elected representatives.
5. Review and evaluate the general performance, operating characteristics and trends of the overall transportation system.

**Title VI/ADA Purpose:**

Meet 23 CFR 450.334 (a) (3) requires that the transportation planning process is being conducted in accordance with all applicable requirements of Title IV of the Civil Rights Act of 1964 and the American with Disabilities Act of 1990.

**Participation Purpose:**

Continuously **monitor, measure, and understand** shifting / changing community values. The MPO process strives **to inform** and **seek input and participation** from all stakeholders. By informing, listening, learning and effectively communicating with the community, the transportation planning process develops to **achieve community visions, goals, and objectives.**

The Lexington Area MPO utilizes its website, surveys, Twitter, Facebook, and electronic Newsletters for participation and information dissemination purposes. The work products and performance measures are presented below.

➤ **MPO Website:**

Extensive updates were made to all MPO webpages throughout FY-2019 as follows:

- Various meeting notices events and other miscellaneous information and notices.
- Participation Plan review periods.
- Bicycle Pedestrian Master Plan (BPMP) input opportunities, and other miscellaneous information.
- Kentucky Transportation Cabinet (KYTC) Six Year Plan update process (or SHIFT) information.
- Transportation Improvement Program (TIP) update, modifications and amendments.
- Transportation projects information.
- Draft TIP and MTP public review notices.
- UPWP updates and other MPO documents.
- Maintained “Traffic Management Study” page.
- Updated website information regularly.
- Completed substantial revisions to the MPO website including content and overall reorganization along with regularly updated information.
- Updated MPO website including MTP plan update information, infographics, public survey, opportunities for public input, TIP modifications, air quality forecasts, and public meeting notices.
- Heavily promoted the MPO website and resources per the alternative transportation mobility marketing campaign.
- Updated the “Projects” page with latest project information and added a digital map.

**Performance Measures of Website:**

- First quarter (July-September 2018):
  - 2,662 visits from 1,945 users (79% new users) - 6,209 page views
- Second quarter (October-December 2018):
  - Website had 1,010 visits from 796 users (80% new users) – 2,214 page views.
- Third quarter (January-March 2019):
  - 2,428 visits from 1,988 users (85% new users) – 6,153 page views
- Fourth quarter (January-March 2019):
  - 6,617 visits from 1,839 users (84% were new users) – 3,136 page views

**Totals for MPO Website FY-2019:**

- Website visits = 12,717 (+84 from FY18) from 6,568 users (-3,646 from FY18) - Page Views = 17,712 (+6,392 from FY18)

➤ **The MPO's Twitter Site:**

- Followers:
  - First Quarter = 2,016
  - Second Quarter = 2,016 to 6,156 (+4,140)
  - Third Quarter = 2,079 to 2,051 (-28)
  - Fourth Quarter = 2,051 to 2,050 (-1)

➤ **The MPO's Facebook Site:**

- First quarter:
  - 958 likes (+9) > 346 engaged users > Reached 1,134 unique users
- Second quarter:
  - 958 to 959 likes (+1) > 346 engaged users > Reached 4,321 unique users
- Third quarter:
  - 881 to 3,511 likes (+2,630) > 524 engaged users > Reached 5,921 unique users
- Fourth quarter: \*Note: Marketing Campaign boost this quarter
  - 1,017 to 3,538 likes (+2,521) > 7,57 engaged users > Reached 7,322 unique users

**Totals for Facebook FY-2018:**

- 8,966 likes (+ 5,357 from FY18) > 8,790 engaged users (+3,921 from FY18) > 18,698 unique users (+1,911 from FY18)

**Products of Element 1.1:**

- Produced updated Title VI contract with new language to meet latest requirements.
- Performed analysis of all MTP projects in relation to Title VI and EJ populations and produced report and maps.
- Produced and submitted a draft Title VI Program Plan to the KYTC for review; revised draft Title VI Program Plan per KYTC reviewers input received; finalized and received TPC approval of final MPO Title VI Program Plan on 10/26/17.

- Prepared draft of updated Participation Plan and solicited input from TTCC and TPC Committees. Held full staff review of existing Participation Plan; noted all areas in need of update; noted items to add considering recent Title VI audit; created schedule to complete; completed 45-day public review period for the 2018 Participation Plan; received TPC approval on 3/21/18
- Assisted LFUCG Division of Planning with production of Title VI compliance and annual report.
- Produced map of KYTC transportation projects located along Fayette County corridors for the LFUCG Corridors Commission.
- Produced 6 project status reports for the Project Coordination Team with KYTC District 7, LFUCG, Jessamine County and other key transportation project stakeholder officials.
- Submitted annual Title VI accomplishments report to KYTC.

### **Efforts for Element 1.1:**

#### **Continuous Committee - Board Coordination - Consultation Efforts:**

\*Note: Regular internal MPO Committee meetings appear under Element 4.1 Program Administration. The following coordination and consultation efforts are more external outreach efforts by the MPO to inform and enhance regional coordination and collaboration.

- Blue Grass Airport Board – MPO staff attended all monthly Board meetings.
- Jessamine County Transportation Task Force - The MPO Manager and selected staff attended and participated in all FY-2019 quarterly meetings (a total of meetings).
- Lextran Board - Attended all monthly Lextran (Transit Authority of Lexington KY) Board meetings.
- LFUCG Corridors Commission - Attended 12 monthly meetings to provide this committee technical transportation planning assistance.
- KYTC Statewide Planning - Attended all 5 KYTC Statewide Transportation Planning MPO/DHO meetings held in FY-2019.
- MPO/KYTC District 7 Project Coordination Team – Conducted 6 bi-monthly meetings for the Project Coordination Team with KYTC District 7, LFUCG, Jessamine County and other key transportation project stakeholder officials.
- Bluegrass Area Development District Regional Transportation Advisory Committee –



Attended all 5 meetings and assisted with various tasks of the committee such as KYTC SHIFT process (\*staff presented the BPMP at the November meeting).

- Bluegrass Area Development District Regional Planning Committee - Attended 1 meeting.
- LFUCG Planning Technical Committee – Staff attended all monthly meetings to monitor and coordinate on transportation (and Title VI/ADA) impacts for all modes for land use development plans.
- LFUCG Planning Subdivision Committee – Staff attended all monthly meetings to advise the committee on transportation impacts for all modes on development plans.
- LFUCG Planning Zoning Committee – Staff attended all monthly meetings to advise the committee on transportation impacts for all modes on zone changes.
- Planning Commission Work Sessions - Attended 2 work sessions (8/24 and 8/31) for transportation areas discussion of Comprehensive Plan Update Goals and Objectives.
- Commission for Citizens with Disabilities – Staff attended all 8 meetings held and served as Secretary to the Commission.
- Bluegrass Bike, Hike and Horse Trails Alliance – Attended 2 meetings to discuss regional trail connection opportunities (first and second quarter).
- University of Kentucky Facility and Education Bicycle Advisory Committee - Attended all 12 monthly meetings.
- LFUCG Bike and Pedestrian Safety Working Group – 2 to 3 staff members attended all 12 monthly meetings and assisted with development and implementation of various pedestrian safety strategies.
- LFUCG Streets and Roads Paving Maintenance meetings: Attended all 48 weekly meetings.
- LFUCG/KYTC Operations and Maintenance Coordination: Attended all 12 monthly meetings.
- Town Branch Commons Technical Advisory Committee: Attended all 6 meetings.
- LFUCG Neighborhoods in Transition Task Force: Attended 4 meetings.
- Bluegrass Tomorrow Regional Land Use Planning Committee: Attended 4 quarterly meeting/s

## **1.1 General Coordination / Consultation Efforts:**

- Continuously monitored local, state and national laws, regulations, requirements, policies, best practices, and trends related to transportation.
- Monitored planning, engineering, traffic engineering, transit and other transportation related publications.
- Monitored news sources, mainly Jessamine Journal and Herald Leader newspapers for relevant Transportation Planning information.
- Kept apprised of ADA improvements including curb ramp installations associated with repaving projects.
- Monitored all new development plans, infill, and re-development cases; noted and advised on transportation Title VI and ADA issues each quarter throughout FY-2019.
- Attended Minority Business Expo at the Civic Center. Listened, learned and made new potential minority business vendor contacts.
- Reviewed monthly Lexington Fayette and Jessamine County Comprehensive Plan amendments and development and implementation efforts by regular coordination with Fayette Planning Commission and Jessamine Joint Planning Commissions and officials.
- Met with LFUCG Geographic Information System (GIS) staff and communicated regularly throughout the year to communicate and solve technical problems, GIS needs, challenges and uses to increase GIS capabilities for the MPO.
- Assisted LFUCG Planning Director and Commissioner with ongoing transportation planning information to communicate at bi-monthly coordination meetings with the University of Kentucky.
- Attended Connected & Automated Vehicle Cooperative meeting (with Lexington, Louisville, and Northern Kentucky).
- Three staff attended meeting with statewide representatives to discuss barriers and opportunities to implement connected and autonomous vehicle programs/policies in KY.
- Met with Jessamine Judge Executive and Bluegrass ADD Director to discuss MPO structure and process.
- Continued renewed coordination and design discussions with KYTC District 7 regarding

the Newtown Pike widening project.

- Attended KYTC Google Smart Cities meeting.
- Presented to Kentucky Legislative Research and Budget Committee on the roles and responsibilities of MPOs.
- Met with Info Group officials at their request to learn about their data services.
- Prepared and gave presentation on the MPO process and specific bike and pedestrian planning areas for the required LFUCG Division of Planning David Pike training session.
- Represented the Commission for People with Disabilities at the I Know Expo community event.
- Met with I Care KY President, a non-profit group that focuses on intersection safety and safe driving education in Central KY.
- Attended, presented and acted as judge for a UK Traffic Engineering student class project.

## **1.2 PROFESSIONAL STAFF DEVELOPMENT – FY-2019:**

### **Element Purpose:**

The purpose of this planning element is to make effort to seek out the best and most applicable, practical and cost effective training for the MPO Planners. This motivates and empowers the staff with knowledge and resources to perform their responsibilities at a higher level of effectiveness and confidence. Webinars have proven to be a very efficient and cost effective way to receive good and current training for staff.

### **Efforts of Element 1.2:**

- The efforts and products of this element are the selection, attendance, and participation in comprehensive, targeted and effective **training and development opportunities**. MPO staff can then utilize best practices, information, and current knowledge to carry out the most effective transportation planning process possible in all UPWP elements:
  - Attended the Kentucky Bike Walk Summit.
  - Attended the 16<sup>th</sup> National “Tools of the Trade” TRB conference.
  - Attended APA Webcast “The 2018 State of Transportation Planning”.

- Attended Webinar titled “Smart Columbus Program Multi-Modal Trip Planning and Common Payment System”.
- Attended Webinar titled “Shared Mobility Data Management”.
- Attended Webinar titled “Accessibility for all: Considerations for including people with disabilities in shared mobility strategies”.
- Attended APA Ethics Webinar titled “Let’s talk about Privilege”.
- Attended Planetizen course “Planning for the Autonomous Future”.
- Attended APA Webcast titled “Sustainable Transportation – What is it?” With Example from a Sustainable Icon, Norway!
- Attended Webinar titled “The Final 50 Feet: Challenges and Opportunities in Urban Freight”.
- Attended Webinar titled “Shared Mobility Data Management”.
- Attended Webinar titled “Automation and the Future of Urban Transportation”.
- Attended Webinar titled “Community Connections Innovations Handbook and Case Studies”.
- Attended Planning & Zoning Training.
- Attended as a presenter and student at the “Smart Growth America Safe Streets Smart Cities Workshop” in Huntsville Alabama.
- Attended Regional Planning Conference at OKI (Ohio, KY, IN MPO) in Northern Kentucky.
- Attended Webinar titled “Innovative Financing for Transportation Projects”.
- Attended Webinar titled “Smart Columbus Program: Connected Vehicle Environment System Requirements”.
- Attended Webinar titled “Coalition for Smarter Transportation Overview of AV 3.0 (Automated Vehicles)”.
- Attended “Purpose & Need Writing Workshop” at Kentucky Transportation Cabinet.
- Attended Planning Commission orientation.
- Attended training webinar titled “INRIX Roadway Analytics and Travel Time Platform”.
- Attended FHWA “Transportation Systems Management and Operations (TSMO)” tele-conference. Working to plan a TSMO workshop in early 2019.
- Attended the National Bike Summit
- Attended webinar titled “Participatory Budgeting for Transportation Funds”.

- Attended a FHWA seminar training titled “Transportation Systems Management and Operations (TSMO) Capability Maturity Model Self-Assessment Workshop” (3 staff).
- Attended a TRB-webinar titled “Traffic Bottleneck Identification and Solution”.
- Attended APA Webcast titled “Development without Gentrification”.
- Attended APA Webcast titled “The Curbside in the Modern Multimodal City”.
- Attended Social Media Training.
- Attended 2 Planning Division ADU presentations.
- Attended Archives training.
- Attended LFUCG first aid training on “Emergency Bleeding Stoppage to Save Life”.

### **Element 1.2 Problems:**

- ❖ With convenient, economic, efficient and informative webinars again making up the bulk of staff development opportunities during FY-2019, there were no significant problems in this element. The MPO continued to take advantage of select quality travel conference and workshop opportunities to provide staff with good developmental and training experiences.

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| <b>2.1 CONGESTION MANAGEMENT / AIR QUALITY PLANNING – FY-2019:</b> |
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### **Element Purpose:**

The Congestion Management Process (CMP), under MAP-21 and now FAST Act is a systematic process that provides information on transportation system performance and alternative strategies to alleviate congestion and enhance the mobility of people and goods. The Lexington Area Congestion Management (CM) program includes the Congestion Management Committee (CMC) that is chaired voluntarily by our KYTC Liaison, with the administrative assistance of the MPO staff. The items listed below describe FY-2019 Congestion Management Process products and work efforts accomplished:

### **Products of Element 2.1:**

- Worked to establish policies, strategies, and processes to monitor congestion trends and produce congestion management system performance targets for the Metropolitan Transportation Plan (MTP).

- Worked with Traffic Engineering staff to produce an INRIX roadway analytics Top-10 bottleneck ranking and collision location report and presentation for the April's CMC meeting.
- Worked with Traffic Engineering staff to produce congestion annual trend maps for 2017 and 2018 using INRIX roadway analytics data.
- Worked with Traffic Engineering to produce an INRIX Top-10 bottleneck ranking, collision location report, and spreadsheet to track congestion trends since 2016 using INRIX roadway analytics data.

### **Efforts for Element 2.1:**

- Worked with KYTC, LFUCG Traffic Engineering and Purchasing staff on ITS's-CMS travel-time data acquisition project, developed, and advertised a Request for Proposals (RFP). Reviewed and scored consultants' proposals. Attended consultant selection committee meeting that chose the qualified consultant.
- Prepared a presentation titled "Why and how to prepare for fall season traffic congestion in Lexington area?" for the August Congestion Management Committee (CMC) meeting
- Research FHWA Performance Management requirements in 23 CFR 490 Subparts A & E and performance management digest website articles concerning congestion management performance measures, metrics and targets.
- Worked with KYTC staff to review the State-set travel-time reliability performance targets required under 23 CFR 490, National Performance Management Measures.
- Performed in-depth analysis on performance measures to assess the national highway system using the newly designed Level of Travel Time Reliability (LOTTR) metrics and Truck Travel Time Reliability (TTTR) indices.
- Reviewed road and lane closure reports for major arterial/utility construction and maintenance work planned for 2018-2019 construction and maintenance season.
- Used live and typical Google Traffic maps to document annual congestion trends at most congested time-of-day in a week and most congested month in a year for recurring congestion, such as bottlenecks and poor signal timing.
- Reviewed "Recurring Traffic Bottlenecks: A Primer, Focus on Low-Cost Operational Improvement, Fourth Edition" published by FHWA.
- Reviewed "Smart Congestion Relief – Comprehensive Evaluation of Traffic Congestion Costs and Congestion Reduction Strategies" published by Todd Litman of Victoria Transport Policy Institute.
- Reviewed FHWA Transportation Systems Management and Operations (TSMO) policies and strategies for roadway, parking and work zone management. Working to plan a TSMO workshop in early 2019.
- Reviewed "Transportation Systems Management and Operations (TSMO) in Action" published by FHWA.
- Reviewed roadway and lane closure reports for major arterial/utility construction and maintenance work planned for the 2019 construction and maintenance spring season.

- Worked with Traffic Engineering staff to prepare an INRIX roadway analytics and travel time platform presentation for February and April CMC meetings.
- Reviewed congestion management process and intelligent transportation system (or ITS) architecture documents to prepare PowerPoint slides for Lexington Area MPO certification review.
- Reviewed national performance measures for congestion, reliability, freight, and CMAQ traffic congestion.
- Reviewed Road Traffic Congestion: A concise Guide from Springer Tracts on transportation and traffic.
- Used typical Google Traffic maps to document annual congestion trends at most congested time-of-day in a week and most congested month in a year for recurring congestion, such as bottlenecks and poor signal timing.
- Worked on Metropolitan Transportation Plan (MTP) to establish policies, strategies and processes to monitor congestion trends and achieve the congestion management system performance targets.

**Element 2.1 Problems:**

- ❖ No significant problems or delays in delivering the efforts and products of this UPWP element during FY-2019.

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| <b>2.1 AIR QUALITY PLANNING – FY-2019:</b> |
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**Element Purpose:**

Combined within the Congestion Management element, the purpose of Air Quality Planning is to complete planning work that will assist with improving and maintaining better air quality by complying with the Federal “Clean Air Act” requirements as they apply to mobile sources in the Lexington Area.

**Products of Element 2.1:**

- Produced daily air quality index (AQI) forecast for Ozone & PM2.5 concentrations using Ozone & PM2.5 forecast models
- Produced brief air quality report for the August Congestion Management Committee meeting
- Presented and reported 2018 Air Quality Model forecast data/charts at the CMC meeting.

### **Efforts for Element 2.1:**

- Monitored all air quality issues through daily emails, correspondence and other methods.
- Met to discuss staff responsibilities and cross training for Air Quality Index forecasting and reporting.
- Distributed CMAQ application notice to all stakeholders.
- Reported air quality monitoring results and CMAQ project TPC ranking results at the CMC meeting.
- Communicated with State Division of Air Quality staff for future Air Quality management teamwork.
- Reported air quality monitoring results and CMAQ project TPC ranking results at the CMC meeting.
- Communicated with State Division of Air Quality staff for future Air Quality management teamwork.
- Recorded Ozone & PM2.5 concentration and AQI data on air quality monitoring spreadsheets.
- Posted 4-day Ozone & PM2.5 forecast AQI data on the MPO website daily for public information use.
- Updated sources for air quality forecasts on the MPO webpage.
- Met with Asbury College Professor and students to assist them with their research project involving an air quality improvement device to scrub CO<sub>2</sub> from the air.

### **Element 2.3 Problems:**

- ❖ No significant problems or delays in delivering the products of this UPWP element during FY-2019.

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| <b><i>2.2 TRANSPORTATION PLAN UPDATE – FY-2019:</i></b> |
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### **Element Purpose:**

The purpose of the Transportation Plan Update element is to document and reflect the goals, objectives, visions, and critical transportation investment decisions, policies, strategies, and priorities for the Lexington Area MPO. It is a framework from which all Federal requirements for a comprehensive, coordinated, and continuous process are met and from which transportation projects and programs can be implemented. The



following covers specific work accomplished towards development, maintenance and implementation of the Metropolitan Transportation Plan (MTP).

### **Products of Element 2.2:**

- Provided continuous transportation planning support to produce several plans, studies and projects that included the 2018 LFUCG Comprehensive Plan.
- Reviewed and compiled a list of 100+ projects, their limits and scope for prioritization during for MTP's development. Submitted list for review to partner agencies, the TTCC and TPC.
- Produced, refined and presented MPO project prioritization matrix to the TPC.
- Produced a scored a list of 100+ proposed projects with the TPC approved project prioritization matrix.
- Developed and completed MTP financial projections in coordination with KYTC liaison.
- Made continual adjustments to the short-range and long-range financial plan for the MTP.
- Developed the performance measures required for the MTP.
- Developed and completed 20+ maps and related data for inclusion in the MTP.
- Refined and produced new MTP Goals & Objectives and presented to the TPC.
- Developed MTP project prioritization and plan document.
- Produced and presented prioritized project list to the Jessamine County Transportation Task Force, KYTC District-7 and the MPO Transportation Policy Committee for feedback.
- Worked with GIS Department to create interactive online GIS map of MTP 2045 Projects.
- Completed a draft, short and long-range financial plan of 2045 MTP plan for KYTC review.
- Presented prioritized project list to the TTCC for review.
- Completed a summary Performance Management Plan for inclusion in the MTP.
- Completed all elements of the MTP draft and final document and presented to the TPC in February.

## **Efforts for Element 2.2:**

- Held weekly MTP update staff coordination meetings.
- Participated in 3 KYTC SHIFT 2020 work group / formula subcommittee workshops.
- Attended several meetings with District 7 and BGADD to coordinate and prepare projects in the KYTC CHAF database in preparation for SHIFT 2020.
- Attended 2 meetings with KYTC SHIFT formula team in Frankfort.
- Held 2 meetings with stakeholders to discuss future SLX projects selection methodology, local match sources and ability, and more.
- Attended an initial conference call regarding KYTC's statewide corridor plan initiative.
- Analyzed and prepared a summary of the newly released 2018 pavement, bridge and safety data for Fayette and Jessamine County for inclusion in the MTP.
- Conducted the second round of public outreach for the MTP including media release/interviews, facebook ad campaign, public input poll, and hosted a public meeting.
- Completed the second round of public outreach for the MTP. Prepared a summary report of public input, staff response to each comment, and presented this information to the Transportation Policy Committee for their consideration.
- Received approval of the public 2045 MTP by the Transportation Policy Committee on April 24.
- Continued work with the GIS Department to create an interactive online map of MTP 2045 Projects.
- Worked on final publishing-related edits to the MTP.
- Prepared materials for review and participation in the SHIFT 2020 process.
- Attended SHIFT 2020 coordination meeting with District 7 and BGADD.
- To inform the MTP update process, staff participated and provided technical assistance and/or input into various important on-going planning studies, plan implementation, and projects (technical & public meetings) that include those listed below and others:
  - UK master planning and implementation efforts
  - Jessamine County Neighborhood Access to Schools study.
  - Versailles Road (US-60) Corridor Improvements
  - Newtown Pike Extension plans and Small Area Plans
  - The Jessamine County Transportation Task Force Committee initiatives
  - Fayette County Infill and Redevelopment plans and implementation
  - Downtown planning efforts
  - Regional Bicycle and Pedestrian Plan implementation
  - Beaumont Area Traffic Study

- Transit Facilities Inventory Analysis
- Town Branch Commons Urban Bike and Pedestrian Pathway
- Others

**Element 2.2 Problems:**

- ❖ The MPO has made significant progress on staff Travel Demand Modeling capability by working with on-call consultant experts and with KYTC TDM staff to execute needed TDM. This has helped to build staff TDM skills significantly. The MPO will continue this successful strategy.

**3.1 LANDUSE / TRAFFIC IMPACT ANALYSIS - FY-2019:**

**Element Purpose:**

The purpose of this element is to provide transportation planning guidance and expertise to the Comprehensive Land Use Planning process, proposed zone changes for new development, Board of Adjustment case review, zoning ordinance text amendments, development plan review, and small area planning. This element will assist in the development of long and short-term land use development plans, identify transportation issues, and lead to implementation of associated transportation needs. The MPO also provides community decision-making bodies and individuals with transportation impact information for private and public development proposals. This work effort results in better-informed decisions to facilitate the safe and efficient movement of people and goods upon the existing and future transportation systems in both counties of the MPO area.

**Products of Element 3.1:**

- Attended seven LFUCG zone change Planning Commission meetings and produced 8 development traffic impact study review reports and presented at the hearings, answered questions and gave rebuttals.
- Researched, developed, and submitted a request for FHWA Planning (PL) funding for a Corridor Land Use & Transportation Plan for the Nicholasville Road Corridor.
- Worked with Long Range Planning to develop a vision statement for transportation related theme D “connectivity” for the comprehensive plan update.

### **Efforts for Element 3.1:**

- Provided on-going assistance to LFUCG Planning staff and other stakeholders and answered inquiries on various Traffic related issues.
- Attended 18 pre-application coordination meetings to provide transportation planning input on future land use applications.
- Attended 3 LFUCG zone change Planning Commission meeting and presented a development Traffic Impact Studies (TIS).
- Reviewed LFUCG monthly submittals of Zoning and Subdivision Plans for traffic impacts and participated in Zone Change Review (including 7 new traffic impact study), Technical Zoning and Subdivision Committees.
- Provided support concerning transportation and land use issues for 2 Jessamine County development proposals.
- Provided traffic counts to several requesting entities.
- Provided on-going assistance to LFUCG Planning staff and applicants and their engineers, attorneys, and other representatives in preparing Traffic Impact Studies for proposed zone changes and Board of Adjustment applications.
- Attended several overall LFUCG Comprehensive Plan update public meetings.
- Continued worked on changes to the subdivision regulations as it relates to connectivity and Theme D of the LFUCG Comprehensive Plan update.
- Conducted internal meetings on the Nicholasville Rd Corridor study to initiate the contract with KYTC and develop Request for Proposal (RFP).
- Attended weekly Zoning Ordinance Text Amendment (ZOTA) meetings to coordinate work efforts on transportation-related changes to the LFUCG Zoning Ordinance.
- Answered questions on transportation issues at LFUCG Comprehensive Land Use Plan public meetings.
- Continued on the ZOTA amendment to increase sidewalk width minimums.
- Reviewed and commented on 34 development plans for inclusion of bike and pedestrian facilities and circulation.
- Corresponded on 41 plans approved by the Planning Commission for compliance with conditional signoff requirements for approval.

### **Element 3.1 Problems:**

- ❖ No significant problems in delivery of products or efforts of this UPWP element during FY-2019. Zone change applications and their traffic impact studies have continued to increase steadily in line with steady U.S. and local economic growth.

### **3.2 MULTI MODAL / TRANS. ENHANCEMENT PLANNING - FY-2019:**

#### **Element Purpose:**

The purpose of this planning element is to promote, enhance, and develop a multimodal, integrated, and balanced transportation system that provide alternatives and opportunities for safe, efficient, and healthy mobility, access, and quality-of-life enhancement. This is achieved by on-going planning work to develop a more “complete street”, efficient and safe transportation systems that serve non-motorized and motorized mobility at a high level of service. Another purpose of this element is to plan for an aesthetically pleasing, environmentally sound, and context sensitive transportation system. Finally, this element supports planning that develops safe and efficient movement of people and goods and their transfer from one mode to another within the overall transportation system.

#### **Products - Bike/Pedestrian 3.2:**

- Compiled 12 months of Metro Count data from the permanent counters on Arboretum Woods and Legacy Trail and produced reports for BPAC, UK, and LFUCG Engineering.
- Worked with LFUCG GIS to produce an interactive bike map.
- Met with Cricket Press to evaluate Bike Lexington Map update and rebrand to produce better highly in-demand community bike map.
- Worked with contractor to fix bike rack installation problems in downtown core.
- Attended weekly meetings with Streets and Roads, ATS, and Traffic Engineering leading to the production of AutoCad bike lane markings and striping plans by as part of repaving maintenance.
- The most significant product of this planning element is the completion and adoption of the Bicycle and Pedestrian Master Plan (BPMP). The plan was officially adopted by the TPC on January 24, 2018. Many plan implementation efforts began quickly the latter half of FY-2018 in conjunction with transportation projects, maintenance, and land us development. See specific planning work efforts listed below for the BPMP update process.

### **Efforts - Bike/Pedestrian 3.2:**

- Held meetings with Streets and Roads, ATS and Traffic Engineering to discuss bike lane markings and striping as a part of spring repaving maintenance.
- Met with regularly with LFUCG Traffic engineering to review bike lane marking plans.
- Reviewed and commented on 158 development plans for inclusion of bike and pedestrian facilities and circulation.
- Corresponded on 153 plans approved by the Planning Commission for compliance with conditional signoff requirements for approval.
- Prepared for and presented at 4 sessions at the KY Bike Walk Summit.
- Conducted radio interview for Bike Talks on Lexington Community Radio regarding bike share and bike safety.
- Conducted radio hour show with the NOLI CDC regrading shared mobility vehicles and the multi modal safety project at Loudon Ave and Bryan Ave.
- Attended ceremonial signing of HB33 in Frankfort for the 3-foot passing law.
- Conducted a meeting with the Cadentown School regarding a trail connect to the Liberty Trail from the Cadentown School.
- Presented information about data collected by survey for the Legacy Trail to Transylvania University exercise physiology class to inform the class project regarding the public health benefits of connected trail networks.
- Worked with UK on annual campus bike counts.
- Gave a presentation at the Kentucky League of Cities annual conference titled "Safe Streets Academy: Transforming Communities into Safer Places using Demonstration Projects".
- Responded to approximately 304 citizens and agency requests for information on bike/pedestrian issues.
- Worked on changes to the subdivision regulations as it relates to connectivity and Theme D of the Comprehensive Plan update.
- Worked with UK Landscape Architecture and Interior Design Students on a project, which evaluates connection to the proposed TBC Park.
- Participated in the filming of multi-modal safety videos as a part of the safe streets campaign.
- Prepared and gave presentation at the David Pike seminar on the future of transportation.
- Attended Euclid Avenue and Avenue of Champions streetscape project meeting.

- Worked with citizen-organized group to promote local businesses applying to be a bicycle friendly business through the League of American Cyclists.
- Presented at Bicycle Friendly Business Application encouragement seminar.
- Worked with UK graduate engineering students on a project to connect to the Town Branch Commons via Martin Luther King Blvd.
- Evaluated Alexandria, Pasadena and Malibu corridor and completed a parking inventory assessment.
- Presented to UK students on the state of bicycling in Lexington for the introduction of their class project “Connecting to the Commons” an evaluation of connecting surrounding neighborhoods to the Town Branch Commons project.
- Evaluated the UK Landscape Architecture and Interior Design Student presentations and projects for the “Connecting to the Commons” student project.
- Conducted phone question and answer session with Tony Mattingly of Louisville Metro regarding micro-mobility policy development and to discuss Louisville’s policy.
- Organized and hosted shared mobility committee meeting to review the City of Louisville’s micro-mobility policy document and to continue work to develop policy recommendations for Lexington’s permit process.
- Conducted a meeting with Dr. Stamatiadis and the Kentucky Transportation Center to get a 3rd party evaluation of the data provided by Spin on bike share usage and trip data.
- Attended sustainability grant kick-off meeting with Dr. Stamatiadis to outline approach to Spin data evaluation.
- Attended kick-off meeting and 6 advisory committee meetings for the development of a Statewide Bicycle and Pedestrian Advocacy group.
- Conducted meeting / interview with UK student regarding graduate school project around complete streets, place making and walkability.
- Met with CM Jake Gibbs and representatives from UK about the Cooper Drive minor widening, bike lane and repaving project.
- Field survey of Versailles Road & coordination with KYTC on crosswalk refresh project.
- Met with CM Reynolds to discuss safety improvements along Versailles Road.
- Met with citizen working to move the Preston Springs trail connection to McConnell Springs forward.
- Met with group of citizens working to move the Caden School Trail connection to Liberty Trail forward.
- Met with citizen working to move Chilesburg Trail connection to the new Elementary School on Athens forward.
- Met with Wilmore Trails group on moving trail projects into design.

- Met with representative from American Heart Association government policy liaison to discuss complete street policy adoption and implementation strategies that they have supported in other communities.
- Met with KYTC D7 consultant to discuss the geometry of a proposed right in right out to improve pedestrian safety at a proposed new development entrance.
- Met with Commissioner Albright to discuss possible projects as a part of the UK land/road swap agreement.
- Conducted two interviews by Lexington Community Radio representatives to talk about bike and pedestrian safety.
- Held meeting with Crystal Falls Neighborhood Association and conducted site visit with community representatives for the Liberty Trail Cadentown School Connection to determine feasibility and proposed trail alignment.

### **Special Multimodal Projects 3.2:**

#### ➤ ***Safe Streets Academy:***

- Performed data analysis and evaluation for the demonstration project.
- Made minor design modifications based on public feed back
- Prepared and gave a presentation at a meeting of the KY Institute of Traffic Engineers on the Safe Streets Academy and the benefits of demonstration projects prior to permanent installation of transportation safety projects.
- Attended Castlewood Neighborhood Association meeting to discuss the Bryan Avenue pedestrian safety projects and how to advance those a permanent hardscape projects.

#### ➤ ***Lexington Bike Share:***

- Launched the pilot bike share program officially on July 1st
- Began data organization and evaluation for the bike share pilot program
- Gave status/progress presentation to LFUCG Council on 9/11
- Organized and evaluated data for the bike share pilot program
- Attended meeting with Bird Scooter Bike Share representative
- Held interview with Providence Montessori School regarding the shared mobility vehicle pilot program.
- Met with UK's E-Scooter advisory Group
- Met with Lime Mobility Share Company



- Met with Velo Rides Mobility Share Company
- Prepared presentation for Shared Mobility Vehicle Policy recommendations for the Planning and Public Safety Committee of the LFUCG
- Met with CAO and Law Dept. to discuss implementation and enforcement of Shared Mobility Vehicle Ordinance.
- Held conference call with Spin and UK to discuss data inaccuracies and how to remedy customer service and data issues for the pilot program.
- Met with Lex Park president to discuss how Shared Mobility Vehicle ordinance policies could be enforced by Lex Park employees.
- Met with Commissioner of Public Safety and Police on the Shared Mobility Vehicle ordinance and their role in enforcement.
- Prepared and presented to the LexPark Board to get approval on an agreement to have LexPark enforce the Shared Mobility Vehicle ordinance.
- Held individual meetings with CM McCurn, CM Brown and CM Worley to discuss the Shared Mobility Vehicle Ordinance.
- Conducted meetings and held numerous phone calls with SMV companies interested in operating in Lexington.
- Began work to implement a digital Shared Mobility Vehicle License and permit process in Accela.
- Filmed short segment with Breeding Media for the Downtown Lexington Partnership's state of downtown video as it relates to shared mobility.
- Met and reviewed Populus Mobility Software as potential tool to manage Shared Mobility data and to carry out enforcement of multiple Shared Mobility Vehicle vendors.
- Prepared and presented information on the Shared Mobility Vehicle Ordinance at a Planning Commission Work session.
- Attended two Urban County Council meetings to answer questions on the Shared Mobility Ordinance.
- Conducted several meetings with LFUCG departments regarding the Shared Mobility Ordinance and the implementation of the license and permit application as well as sub agreements with UK and LexPark.

- **Freight 3.2 - Products / Efforts:**

- Coordinated with KYTC about any changes that might be necessary to the Kentucky Highway Freight Network in response to the KYTC / LFUCG road swap

**Transportation Alternatives Program (TAP) 3.2 – Products / Efforts:**

- Continued to manage and monitor progress of all TAP projects within in the Lexington area.
- Assisted the City of Wilmore and City of Nicholasville in submitting TAP applications for the Wilmore Trail Connector project and East High Trail school connector project.

**Element 3.2 Problems:**

- ❖ No significant problems or delays in delivery of the products or work efforts of this UPWP element during FY-2019

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|--|
| <p><b><i>3.3 TRANSIT PLANNING - FY-2019:</i></b></p> |
|--|

**Element Purpose:**

The purpose of this planning element is to provide technical planning support and transportation planning guidance to the Lexington Transit Authority (Lextran) and paratransit agencies including WHEELS, Federated Transit Services of the Bluegrass (FTSB), Bluegrass Community Action – Bluegrass Ultra-Transit Service (BGCA - BUS) and other public transit service providers and decision makers. This effort will help to enhance, encourage and support the use, efficiency, and systems interconnectivity of public transit within the MPO area. The MPO will assist in the development and implementation of public transportation planning and strategies; application for and acquisition of various funding for public transportation/transit projects and studies; and assist with the implementation of transit plans, programs and projects. This work will help achieve many of the key goals and objectives of the MPO such as better air quality, congestion mitigation, and more mobility choices to the underserved populations and all people in our area.

### **Products of Element 3.3:**

- Coordinated building materials and deliveries to site, assisted with construction, and inspected bus shelter construction onsite for Winburn CAC bus shelter
- Worked with Lextran Planners utilizing the joint MPO/Lextran comprehensive “Transit Routes Facilities Inventory” database to identify the highest priority bus stop locations for improvements to produce a priority improvements list.

### **Efforts of Element 3.3:**

- Responded to 22 citizen inquiries about bus shelter issues.
- Attended 11 Via Creative board meetings as Co-Chair.
- Attended 8 Federated Transit Services of the Bluegrass Board meetings as acting Board Chairman.
- Shared bus stop inventory data with LFUCG Traffic Engineering for enhancing pavement at bus stops.
- Made several edits to GIS inventory for Lextran transit routes.
- Held coordination meeting with MPO, Lextran, and BUS public transit providers regarding the 2045 MTP update and transit asset management (TAM) state of good repair (SGR) performance targets and reporting requirements.
- Attended meeting with Beaumont Area Developers and Lextran Officials to plan the purchase and installation of three bus shelters on Beaumont Center Circle.
- Received TPC approval to adopt federally required transit asset management targets in coordination with Lextran.
- Coordinated final cleanup of newly installed Winburn bus shelter.
- Closed out Corridors Commission Grant after completing Winburn bus shelter project.
- Held meeting about potential bus shelter project on 6th and N. Broadway.
- Consulted with Traffic Engineering on ADA issues on sidewalks where some Lextran benches are placed.
- Consulted with UK architecture group concerning bus shelter placement on N. Limestone at Duncan Park. Attended Lextran work session.

### **Element 3.3 Problems:**

- ❖ No significant problems other than expected challenges with element 3.3.

### **3.4 MOBILITY COORDINATION - FY-2019:**

#### **Element Purpose:**

The purpose of this planning element is to serve as a central contact for all inquiries concerning transportation service providers in the MPO area. The Mobility office coordinates with and provides information, education, outreach, promotion and marketing regarding all modes of transportation and transportation services within the MPO area, including transit, paratransit, ride matching, vanpooling, biking, and pedestrian. Main goals of the Mobility Office are to reduce single occupancy vehicle usage, promote alternative modes of transportation, and provide better mobility to the community. This work helps to reduce traffic congestion, reduce parking demand, improve air quality, conserve energy, protect the environment, improve community health, and improve the quality of life through enhanced mobility.

#### **Efforts of Element 3.4:**

- Concluded FY18 alternative transportation marketing campaign.
- Processed FY 18 final marketing invoice and related documentation.
- Received Council approval of FY 2019 alternative transportation marketing campaign.
- Held preliminary planning meetings with marketing consultants for FY19 & researched employer-based travel demand and marketing programs.
- Attended Travel Demand Management Forum to learn about national best practices in TDM and how it relates to mobility applications.
- Held 2 strategy meetings for marketing campaign with consultants
- Continued work with marketing campaign consultants to develop employer-based program to encourage alternative mode commuting.
- Met with marketing team to develop list of deliverables and to provide input on media content.
- Approved the June media schedule, reviewed and aired advertisements.
- Processed year-end invoices for the FY 19 marketing campaign.
- Worked with LFUCG Traffic Engineering and KYTC to remove outdated carpool/vanpool signs in Fayette and surrounding counties.

### **Element 3.4 Problems:**

- ❖ No significant problems or delays in delivery of the products or work efforts of this UPWP element during FY-2019.

## ***3.5 PROJECT FORECASTING - FY-2019:***

### **Element Purpose:**

The purpose of this planning element is to provide the KYTC, LFUCG, FHWA, FTA and other key stakeholders and their professional project consultants with base year and future year traffic forecast information. This information comes from the MPO's Travel Demand Model and is essential for planning studies, transportation improvement project design alternatives, project prioritization and long range planning and investment decisions within the MPO area. The MPO works with KYTC and FHWA partners to acquire resources to maintain update and enhance the MPO's travel demand modeling capability.

### **Products of Element 3.5:**

- Worked on Socio Economic data updates for future horizon years 2020, 2030, and 2045.
- Completed roadway network updates for future year 2045
- Developed "Build" vs "Non Build" forecast scenarios for the 2045 MTP draft.
- Used travel demand model to produce a forecast of future year average daily trip assignments for NE Jessamine and SE Fayette area roads.
- Used travel demand model to produce forecasts for analysis of current development alternatives.

### **Efforts of Element 3.5:**

- Reallocated SE data to match KY State Data Center predictions for households and population in 2017 base year TDM update.
- Received additional assistance and training in modeling process and data development procedures from Stantec.
- Preliminarily discussed TDM updates with the Georgetown-Scott County Planning Department.
- Completed socio-economic data updates for future year 2045.
- Completed TDM roadway network updates for future year 2045.
- Worked to gather socio-economic data for the counties in the model area for 2020 and 2030 years updates.
- Worked to refine data and networks for the 2017 and 2045 forecast scenarios.

### **Element 3.5 Problems:**

- ❖ No significant problems or delays in delivery of the products or work efforts of this UPWP element during FY-2019.

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|---|
| <b><i>4.1 PROGRAM ADMINISTRATION - FY-2019:</i></b> |
|---|

### **Element Purpose:**

The purpose of this planning element is to provide management, coordination, resources, guidance, and support for transportation planning personnel and activities to meet the needs, demands, goals, objectives, and requirements to achieve an effective 3-C MPO transportation planning process. In addition to the many items listed in the other elements that contain intrinsic program administration work, the following specific administration work items were completed in FY-2019. This element will naturally have some overlap with other elements with the involvement of management and administrative staff to oversee the on-going MPO process.

### **Products of Element 4.1 :**

- Committee packets, agendas, minutes, and supplemental materials were prepared and distributed for MPO meetings:
  - Transportation Technical Coordinating Committee (TTCC) – Met in July, August, December, February, April, and June.
  - Bicycle and Pedestrian Advisory Committee (BPAC) – Met each month of FY-2019
  - Congestion Management Committee (CMC) – met in August, October, February, April, and June.
  - Transportation Policy Committee (TPC) – Met in August, October, December (for special meeting regarding Newtown Pike project), January, February, April, and June.\*Note: There were more meetings in FY-19 mainly due to required MTP update May 2019 deadline.
- Received TPC approval of Resolutions supporting federally required KYTC Performance Measures and Targets for system preservation and reliability.
- Completed all LFUCG required monthly reports for LFUCG Planning Commission reports.
- Completed and submitted quarterly narrative reports to the KYTC for 2019.
- Completed 7 right-of-way closure request reviews and reports for the LFUCG Division of Planning and submitted to Mayor's Office.

### **Efforts of Element 4.1:**

- Carried out all of the many administrative responsibilities associated with the daily management and operation of the MPO/LFUCG Transportation Planning agency (e.g. management, approvals, on-going meeting, communications, and coordination with staff, local, state, and federal agencies, accounting, grants tracking and management, payroll, purchasing-requisitions, supplies/equipment, services, procedures, oversight, and many more).
- Conducted continuous communication with each MPO staff member to get input and discuss and areas of existing and future assignment for existing work and development of the annual MPO work plan.
- MPO Manager acted in the capacity of Kentucky MPO Council Chairman to coordinate statewide MPO activities with KYTC, FHWA, and FTA: Hold lunch meetings at Statewide Planning (STP) meetings to communicate a unified Kentucky MPO voice to KYTC, FHWA, and FTA issues/concerns.

- Prepared and gave presentation on Lexington Area MPO Transportation Planning Process at the LFUCG Division of Planning David Pike Planning AICP Seminar.
- Began preliminary planning process in earnest to be prepared for upcoming certification review of Lexington Area MPO.
- Met with Mayor's Office, KY Rep Flood and Kentuckians for Better Transportation to discuss regional transportation and formal membership in KBT.
- Participated in the FHWA/FTA Certification Review of the MPO's transportation planning process on June 25 & 26. This included a tour of projects, summary presentations of MPO efforts, a public meeting and a public survey. There was significant preparation work involved through this quarter to prepare for this federal review. Staff prepared and distributed all planning documents to the review team. Staff reviewed each required planning element (performance measures, freight, environmental, Title VI, etc.) in detail to be able to report accurately to the federal team.
- Gave interview for National Public Radio reporter Stu Johnson on details of the federal certification review.
- Presented an update on the MPO Certification Review to the LFUCG Planning Commission.
- Met with CM Plomin regarding a neighborhood petition to prevent Ivy Bridge Drive from connecting to developments in Jessamine County. The MPO was in opposition to this closure, prepared opposing comments, and compiled other Planning Division comments. All comments were then submitted as required by the official LFUCG right-of-way closure request process.

**Element 4.1 Problems:**

- ❖ No significant problems or delays in delivery of the products or work efforts of this UPWP element during FY-2019



## **4.2 TRANSPORTATION IMPROVEMENT PROGRAM - FY-2019:**

### **Element Purpose:**

To Develop and maintain the regional, financially balanced, Transportation Improvement Program (TIP). This implementation document is a listing of investments that are consistent with adopted plans, goals, objectives, priorities, and the Metropolitan Transportation Plan. All federally funded projects are required to be listed within the TIP. The TIP is modified or amended as necessary (by the Transportation Policy Committee) and is completely updated every 4 years.

### **Products of Element 4.2:**

- Compiled and filed copies of all KYTC STIP actions, state and federal program management authorization forms
  - Coordinated, completed, and submitted the FY-2018 Annual Listing of Obligated Federal Funded Projects to KYTC and posted to MPO website.
  - Drafted and submitted Toll Credit application for construction of Clays Mill Road.
  - Completed TIP Modifications #10 thru #18 during FY-2018. See list and summary below (\*note: TIP modifications are listed in detail on MPO website: [lexareampo.org](http://lexareampo.org)).
- ✓ TIP Mod #10: Served to bring TIP up-to-date with the adopted KYTC State Highway Plan.
  - ✓ TIP Mod #11: US-68 – Perform low cost safety improvements from Mercer County Line to NE of Clear Creek Road.
  - ✓ TIP Mod #12: *Oxford Circle sidewalks.*
  - ✓ TIP Mod#13: *Lextran purchase of 3 - 40 foot electric buses.*
  - ✓ TIP Mod#14: *- Armstrong Mill Road sidewalks.*
  - ✓ TIP Mod#15: *Polo Club Boulevard.*
  - ✓ TIP Mod #16: *Add four awarded CMAQ Projects: 1) Lextran purchase of electric buses, 2) Sidewalks on Wilson Downing Rd. 3) Multimodal improvements on Mt Tabor Road and 4) Town Branch Trail crossing improvements.*

- ✓ TIP Mod # 17: I-75 SB Exit Ramp improvements and traffic signal at Man O' War Boulevard.
- ✓ TIP Mod #18: Add funding for the restoration and preservation of the Valley View Ferry Car Barge.

**Efforts of Element 4.2:**

- Monitored TIP program projects for needed adjustments.
- Drafted and received TPC approval of letter to KYTC Secretary of Transportation requesting bike/pedestrian facilities to be included in the Newtown Pike Improvement project.
- Attended 2 meetings to discuss Polo Club project and drafted and submitted Toll Credit application for construction of Polo Club Blvd connector.
- Began and completed a draft of required Performance Measure language to be incorporated into the TIP when amended.
- Attended a public meeting for the Liberty Road Improvement Project hosted by KYTC.

**Element 4.2 Problems:**

- ❖ No significant problems or delays in delivering the products of this element during FY-2019

**4.3 UNIFIED PLANNING WORK PROGRAM (UPWP) - FY-2019:**

**Element Purpose:**

The purpose of this planning element is to provide a guiding document that outlines staffing, responsibilities, timelines, costs, funding sources, methodology, and all other aspects of the work to be completed during the coming fiscal year. Detailed explanation of the purposes, goals, objectives and the action steps to achieve these are documented in this “work program” to meet all transportation planning process requirements.

### **Products of Element 4.3:**

- Submitted Draft 2018 Annual Performance and Expenditure report to KYTC for review.
- Addressed draft comments and finalized and submitted 2018 Performance and Expenditure Report.
- Completed and submitted all required quarterly narrative reports for FY-2019: July-September, October-December, January-March, and May-June.
- Staff submitted follow up request for PL discretionary funding for “US-27 Corridor/Land Use” study.
- Produced draft FY-2020 UPWP and submitted to KYTC and other reviewing parties for comment.
- Addressed all comments, finalized FY-2020 UPWP document, and submitted to required agencies. Received TPC approval of the 2020 UPWP
- Worked with LFUCG Grants & KYTC Liaison to coordinate funding and FY-2020 FHWA & SLX contracts.

### **Efforts of Element 4.3:**

- Weekly review of FY-2019 UPWP expenditures report from LFUCG Grants.
- Utilized 2019 UPWP to direct work on program element tasks and to review comparison of hours/funding budgeted versus expended to date.
- Held several meetings and communications with LFUCG Grants to develop and worked to address comments from multiple reviewing partners on the Draft FY-2020 UPWP.
- Finalized and received TPC approval of the FY 20 UPWP on April 24 – submitted final document to official distribution list.
- Worked with LFUCG Grants on FY-2019 budget reconciliations and establishing FY-2020 budgets.
- Received and executed FY 20 contracts for FHWA/SLX programmatic funds.
- Prepared and submitted Quarterly Report to KYTC for Jan-Mar 2019.

### **Element 4.3 Problems:**

- ❖ No significant problems or delays in delivering the products of this element

***FY-2019 PERFORMANCE & EXPENDITURE BY UPWP ELEMENT:***

See financial report below

**\*Note:**

Fiscal year 2019 was once again an exercise in challenge, transition and adaptability with changing federal emphasis areas of FAST Act and ever challenging demands and responsibilities directed from within the Lexington Fayette Urban County Government and KYTC.

The MPO relies upon the LFUCG Division of Community Development (CD) for all financial/accounting, grants management services. Budgets by element are estimated by the MPO within the UPWP based upon perceived upcoming needs, past trends, current legislation emphasis areas, and other factors. MPO staff charges their weekly work hours to the most appropriate UPWP Element. By nature, UPWP elements are very interrelated; therefore, any given work time could be charged legitimately to two or more UPWP elements in many cases. Staff continues regular meetings to discuss the most appropriate charging of time for various planning tasks to specific UPWP elements to avoid redundancy and for better consistency, accounting, and reporting accuracy. Staff also assigns a PeopleSoft “combination code” associated with the selected UPWP Element they charge to that draws from the proper LFUCG “PeopleSoft” account for the FHWA, FTA, or SLX/STP (Mobility, Air Quality, Congestion Management, and Bike/Pedestrian) grant programs.

The LFUCG Division of Community Development (CD) continued to provide MPO staff bi-monthly accounting reports to help staff track and administer the MPO process. This has helped greatly with MPO awareness; however, there remains a need for more timely (not delayed) expenditure information. According to their current policies, CD makes budget amendment decisions when they see necessary and to account for differences between budget and expenditures. The MPO, CD, and other LFUCG agencies associated with PeopleSoft implementation will continue to work toward a full deployment of the PeopleSoft Grants Module capable of up-to-date UPWP monitoring, accounting, and reporting. In FY-2019, the MPO utilized approximately 100% of the total budgeted amounts, even with two staff retiring for a significant portion of the fiscal year (see tables below).



**Lexington Metropolitan Planning Organization**  
**Annual Performance and Expenditure Report**  
 July 1st, 2018 through June 30th, 2019  
 FY 2019



**UNIFIED PLANNING WORK PROGRAM 2018 - LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT**

| Element       | SLX FUNDS                 |                     |                     |                     |                      |                           |                     |                     |                      |                      |                           |                     |                     |                     |                     | SLX FUNDS<br>Yearly Total |
|---------------|---------------------------|---------------------|---------------------|---------------------|----------------------|---------------------------|---------------------|---------------------|----------------------|----------------------|---------------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|
|               | UPWP 2018 - AIR_QUAL_2018 |                     |                     |                     |                      | UPWP 2018 - MOBILITY_2018 |                     |                     |                      |                      | UPWP 2018 - BIKE_PED_2018 |                     |                     |                     |                     |                           |
|               | Qtr 1 Total               | Qtr 2 Total         | Qtr 3 Total         | Qtr 4 Total         | < Yearly Total       | Qtr 1 Total               | Qtr 2 Total         | Qtr 3 Total         | Qtr 4 Total          | < Yearly Total       | Qtr 1 Total               | Qtr 2 Total         | Qtr 3 Total         | Qtr 4 Total         | < Yearly Total      |                           |
| 1.0           | \$ -                      | \$ -                | \$ -                | \$ -                | \$ -                 | \$ -                      | \$ -                | \$ -                | \$ -                 | \$ -                 | \$ -                      | \$ -                | \$ -                | \$ -                | \$ -                | \$ -                      |
| 1.2           | \$ -                      | \$ -                | \$ -                | \$ 1,326.16         | \$ 1,326.16          | \$ -                      | \$ 1,091.30         | \$ -                | \$ 9,217.86          | \$ 10,309.16         | \$ -                      | \$ 1,008.86         | \$ 5,090.71         | \$ 4,980.90         | \$ 11,080.47        | \$ 22,715.79              |
| 2.1           | \$ 4,241.89               | \$ 10,390.10        | \$ 11,221.39        | \$ 32,032.72        | \$ 57,886.10         | \$ -                      | \$ -                | \$ -                | \$ -                 | \$ -                 | \$ -                      | \$ -                | \$ -                | \$ -                | \$ -                | \$ 57,886.10              |
| 2.2           | \$ -                      | \$ 24,684.21        | \$ 37,578.03        | \$ 5,025.50         | \$ 67,287.74         | \$ -                      | \$ -                | \$ -                | \$ -                 | \$ -                 | \$ 129.73                 | \$ 1,310.32         | \$ 7,915.10         | \$ 2,931.24         | \$ 12,286.39        | \$ 79,574.13              |
| 3.1           | \$ -                      | \$ -                | \$ -                | \$ -                | \$ -                 | \$ -                      | \$ -                | \$ -                | \$ 6,663.00          | \$ 6,663.00          | \$ 92.66                  | \$ 392.74           | \$ 1,085.96         | \$ 7,865.36         | \$ 9,436.72         | \$ 16,099.72              |
| 3.2           | \$ -                      | \$ -                | \$ -                | \$ -                | \$ -                 | \$ -                      | \$ -                | \$ 1,604.48         | \$ 15,542.21         | \$ 17,146.69         | \$ 3,283.86               | \$ 12,470.73        | \$ 14,477.68        | \$ 1,456.17         | \$ 31,688.44        | \$ 48,835.13              |
| 3.3           | \$ -                      | \$ -                | \$ -                | \$ -                | \$ -                 | \$ -                      | \$ -                | \$ -                | \$ -                 | \$ -                 | \$ -                      | \$ -                | \$ -                | \$ -                | \$ -                | \$ -                      |
| 3.4           | \$ -                      | \$ -                | \$ -                | \$ -                | \$ -                 | \$ 3,433.78               | \$ 20,256.53        | \$ 13,020.13        | \$ 81,670.71         | \$ 118,381.15        | \$ -                      | \$ -                | \$ -                | \$ 1,507.98         | \$ 1,507.98         | \$ 119,889.13             |
| 3.5           | \$ -                      | \$ -                | \$ -                | \$ -                | \$ -                 | \$ -                      | \$ -                | \$ -                | \$ -                 | \$ -                 | \$ -                      | \$ -                | \$ -                | \$ -                | \$ -                | \$ -                      |
| 4.1           | \$ -                      | \$ -                | \$ -                | \$ -                | \$ -                 | \$ -                      | \$ -                | \$ -                | \$ -                 | \$ -                 | \$ -                      | \$ -                | \$ -                | \$ -                | \$ -                | \$ -                      |
| 4.2           | \$ -                      | \$ -                | \$ -                | \$ -                | \$ -                 | \$ -                      | \$ -                | \$ -                | \$ -                 | \$ -                 | \$ -                      | \$ -                | \$ -                | \$ -                | \$ -                | \$ -                      |
| 4.3           | \$ -                      | \$ -                | \$ -                | \$ -                | \$ -                 | \$ -                      | \$ -                | \$ -                | \$ -                 | \$ -                 | \$ -                      | \$ -                | \$ -                | \$ -                | \$ -                | \$ -                      |
|               | \$ -                      | \$ -                | \$ -                | \$ -                | \$ -                 | \$ -                      | \$ -                | \$ -                | \$ -                 | \$ -                 | \$ -                      | \$ -                | \$ -                | \$ -                | \$ -                | \$ -                      |
| <b>Totals</b> | <u>\$ 4,241.89</u>        | <u>\$ 35,074.31</u> | <u>\$ 48,799.42</u> | <u>\$ 38,384.38</u> | <u>\$ 126,500.00</u> | <u>\$ 3,433.78</u>        | <u>\$ 21,347.83</u> | <u>\$ 14,624.61</u> | <u>\$ 113,093.78</u> | <u>\$ 152,500.00</u> | <u>\$ 3,506.25</u>        | <u>\$ 15,182.65</u> | <u>\$ 28,569.45</u> | <u>\$ 18,741.65</u> | <u>\$ 66,000.00</u> | <u>\$ 345,000.00</u>      |
| <b>STATE</b>  | \$ 3,393.51               | \$ 28,059.45        | \$ 39,039.54        | \$ 30,707.50        | \$ 101,200.00        | \$ 2,747.02               | \$ 17,078.26        | \$ 11,699.69        | \$ 90,475.03         | \$ 122,000.00        | \$ 2,805.00               | \$ 12,146.12        | \$ 22,855.56        | \$ 14,993.32        | \$ 52,800.00        | \$ 276,000.00             |
| <b>FED</b>    | \$ 0.00                   | \$ 0.00             | \$ 0.00             | \$ 0.00             | \$ 0.00              | \$ 0.00                   | \$ 0.00             | \$ 0.00             | \$ 0.00              | \$ 0.00              | \$ 0.00                   | \$ 0.00             | \$ 0.00             | \$ 0.00             | \$ 0.00             | \$ -                      |
| <b>Billed</b> | \$ 3,393.51               | \$ 28,059.45        | \$ 39,039.54        | \$ 30,707.50        | \$ 101,200.00        | \$ 2,747.02               | \$ 17,078.26        | \$ 11,699.69        | \$ 90,475.03         | \$ 122,000.00        | \$ 2,805.00               | \$ 12,146.12        | \$ 22,855.56        | \$ 14,993.32        | \$ 52,800.00        | \$ 276,000.00             |
| <b>LOCAL</b>  | \$ 848.38                 | \$ 7,014.86         | \$ 9,759.88         | \$ 7,676.88         | \$ 25,300.00         | \$ 686.76                 | \$ 4,269.57         | \$ 2,924.92         | \$ 22,618.75         | \$ 30,500.00         | \$ 701.25                 | \$ 3,036.53         | \$ 5,713.89         | \$ 3,748.33         | \$ 13,200.00        | \$ 69,000.00              |
| <b>Totals</b> | <u>\$ 4,241.89</u>        | <u>\$ 35,074.31</u> | <u>\$ 48,799.42</u> | <u>\$ 38,384.38</u> | <u>\$ 126,500.00</u> | <u>\$ 3,433.78</u>        | <u>\$ 21,347.83</u> | <u>\$ 14,624.61</u> | <u>\$ 113,093.78</u> | <u>\$ 152,500.00</u> | <u>\$ 3,506.25</u>        | <u>\$ 15,182.65</u> | <u>\$ 28,569.45</u> | <u>\$ 18,741.65</u> | <u>\$ 66,000.00</u> | <u>\$ 345,000.00</u>      |



Lexington Metropolitan Planning Organization  
 Annual Performance and Expenditure Report  
 July 1st, 2018 through June 30th, 2019  
 FY 2019



**UNIFIED PLANNING WORK PROGRAM 2018 - LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT**

| Element       | PL FUNDS                 |                      |                     |                     |                      | SECTION 5303 FUNDS        |                     |                     |                     |                     | SLX FUNDS Summation |                     |                     |                      |                      | GRANTS Budgeted      | Expended Yearly Total | Grants Percentage | Comments |
|---------------|--------------------------|----------------------|---------------------|---------------------|----------------------|---------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|----------------------|----------------------|-----------------------|-------------------|----------|
|               | UPWP 2018 - FED_HWY_2018 |                      |                     |                     |                      | UPWP 2018 - FTA_SECT_2018 |                     |                     |                     |                     | UPWP 2018 - SLX     |                     |                     |                      |                      |                      |                       |                   |          |
|               | Qtr 1 Total              | Qtr 2 Total          | Qtr 3 Total         | Qtr 4 Total         | < Yearly Total       | Qtr 1 Total               | Qtr 2 Total         | Qtr 3 Total         | Qtr 4 Total         | Yearly Total        | Qtr 1 Total         | Qtr 2 Total         | Qtr 3 Total         | Qtr 4 Total          | Yearly Total         |                      |                       |                   |          |
| 1.0           | \$ 18,166.38             | \$ 51,443.78         | \$ 48,941.07        | \$ 6,055.93         | \$ 124,607.16        |                           | \$ 3,465.00         |                     |                     | \$ 3,465.00         | \$ -                | \$ -                | \$ -                | \$ -                 | \$ -                 | \$ 123,760.00        | \$ 128,072.16         | 103.48%           |          |
| 1.2           | \$ 6,801.40              | \$ 5,142.89          |                     | \$ 912.13           | \$ 12,856.42         |                           |                     |                     |                     | \$ -                | \$ -                | \$ 2,100.16         | \$ 5,090.71         | \$ 15,524.92         | \$ 22,715.79         | \$ 44,987.00         | \$ 35,572.21          | 79.07%            |          |
| 2.1           | \$ 7,283.53              | \$ 2,130.06          | \$ 3,227.41         |                     | \$ 12,641.00         |                           |                     |                     |                     | \$ -                | \$ 4,241.89         | \$ 10,390.10        | \$ 11,221.39        | \$ 32,032.72         | \$ 57,886.10         | \$ 74,384.00         | \$ 70,527.10          | 94.81%            |          |
| 2.2           | \$ 46,357.01             | \$ 19,841.24         |                     |                     | \$ 66,198.25         |                           | \$ 7,800.83         | \$ 10,823.70        | \$ 180.47           | \$ 18,805.00        | \$ 129.73           | \$ 25,994.53        | \$ 45,493.13        | \$ 7,956.74          | \$ 79,574.13         | \$ 141,541.00        | \$ 164,577.38         | 116.28%           |          |
| 3.1           | \$ 13,885.89             | \$ 14,636.27         | \$ (368.37)         | \$ 28,951.29        | \$ 57,105.08         |                           |                     |                     |                     | \$ -                | \$ 92.66            | \$ 392.74           | \$ 1,085.96         | \$ 14,528.36         | \$ 16,099.72         | \$ 86,244.00         | \$ 73,204.80          | 84.88%            |          |
| 3.2           | \$ 14,199.04             | \$ 5,660.73          |                     |                     | \$ 19,859.77         |                           |                     |                     |                     | \$ -                | \$ 3,283.86         | \$ 12,470.73        | \$ 16,082.16        | \$ 16,998.38         | \$ 48,835.13         | \$ 66,740.00         | \$ 68,694.90          | 102.93%           |          |
| 3.3           | \$ 3,915.55              |                      |                     |                     | \$ 3,915.55          |                           | \$ 9,281.84         | \$ 7,563.50         | \$ 21,384.66        | \$ 38,230.00        | \$ -                | \$ -                | \$ -                | \$ -                 | \$ -                 | \$ 36,722.00         | \$ 42,145.55          | 114.77%           |          |
| 3.4           | \$ 91.47                 | \$ 61.64             |                     | \$ 1,529.19         | \$ 1,682.30          |                           |                     |                     |                     | \$ -                | \$ 3,433.78         | \$ 20,256.53        | \$ 13,020.13        | \$ 83,178.69         | \$ 119,889.13        | \$ 122,763.00        | \$ 121,571.43         | 99.03%            |          |
| 3.5           | \$ 6,978.32              | \$ 3,665.44          | \$ 7,904.84         | \$ 1,691.89         | \$ 20,240.49         |                           |                     |                     |                     | \$ -                | \$ -                | \$ -                | \$ -                | \$ -                 | \$ -                 | \$ 20,569.00         | \$ 20,240.49          | 98.40%            |          |
| 4.1           | \$ 29,246.53             | \$ 47,347.93         | \$ 29,912.95        | \$ 42,483.53        | \$ 148,990.94        |                           |                     |                     |                     | \$ -                | \$ -                | \$ -                | \$ -                | \$ -                 | \$ -                 | \$ 152,896.00        | \$ 148,990.94         | 97.45%            |          |
| 4.2           | \$ 4,704.16              | \$ 2,804.87          | \$ 2,870.69         | \$ 5,048.05         | \$ 15,427.77         |                           |                     |                     |                     | \$ -                | \$ -                | \$ -                | \$ -                | \$ -                 | \$ -                 | \$ 19,304.00         | \$ 15,427.77          | 79.92%            |          |
| 4.3           | \$ 964.10                | \$ 1,940.80          | \$ 3,333.98         | \$ 236.39           | \$ 6,475.27          |                           |                     |                     |                     | \$ -                | \$ -                | \$ -                | \$ -                | \$ -                 | \$ -                 | \$ 5,590.00          | \$ 6,475.27           | 115.84%           |          |
| <b>Totals</b> | <b>\$ 152,593.38</b>     | <b>\$ 154,675.65</b> | <b>\$ 95,822.57</b> | <b>\$ 86,908.40</b> | <b>\$ 490,000.00</b> | <b>\$ -</b>               | <b>\$ 20,547.67</b> | <b>\$ 18,387.20</b> | <b>\$ 21,565.13</b> | <b>\$ 60,500.00</b> | <b>\$ 11,181.92</b> | <b>\$ 71,604.79</b> | <b>\$ 91,993.48</b> | <b>\$ 170,219.81</b> | <b>\$ 345,000.00</b> | <b>\$ 895,500.00</b> | <b>\$ 895,500.00</b>  | <b>100.00%</b>    |          |
| <b>FED</b>    | <b>\$ 122,074.70</b>     | <b>\$ 123,740.52</b> | <b>\$ 76,658.05</b> | <b>\$ 69,526.73</b> | <b>\$ 392,000.00</b> |                           | <b>\$ 16,438.00</b> | <b>\$ 14,710.00</b> | <b>\$ 17,252.00</b> | <b>\$ 48,400.00</b> | <b>\$ 8,945.54</b>  | <b>\$ 57,283.83</b> | <b>\$ 73,594.78</b> | <b>\$ 136,175.85</b> | <b>\$ 276,000.00</b> | <b>\$ 716,400.00</b> | <b>\$ 716,400.00</b>  | <b>100.00%</b>    |          |
| <b>STATE</b>  | <b>\$ 7,629.67</b>       | <b>\$ 7,733.78</b>   | <b>\$ 4,791.13</b>  | <b>\$ 4,345.42</b>  | <b>\$ 24,500.00</b>  |                           |                     |                     |                     | <b>\$ -</b>         |                     |                     |                     |                      |                      | <b>\$ 24,500.00</b>  | <b>\$ 24,500.00</b>   | <b>100.00%</b>    |          |
| <b>Billed</b> | <b>\$ 129,704.37</b>     | <b>\$ 131,474.30</b> | <b>\$ 81,449.18</b> | <b>\$ 73,872.15</b> | <b>\$ 416,500.00</b> | <b>\$ -</b>               | <b>\$ 16,438.00</b> | <b>\$ 14,710.00</b> | <b>\$ 17,252.00</b> | <b>\$ 48,400.00</b> | <b>\$ 8,945.54</b>  | <b>\$ 57,283.83</b> | <b>\$ 73,594.78</b> | <b>\$ 136,175.85</b> | <b>\$ 276,000.00</b> | <b>\$ 740,900.00</b> | <b>\$ 740,900.00</b>  | <b>100.00%</b>    |          |
| <b>LOCAL</b>  | <b>\$ 22,889.01</b>      | <b>\$ 23,201.35</b>  | <b>\$ 14,373.39</b> | <b>\$ 13,036.25</b> | <b>\$ 73,500.00</b>  |                           | <b>\$ 4,109.67</b>  | <b>\$ 3,677.20</b>  | <b>\$ 4,313.13</b>  | <b>\$ 12,100.00</b> | <b>\$ 2,236.38</b>  | <b>\$ 14,320.96</b> | <b>\$ 18,398.70</b> | <b>\$ 34,043.96</b>  | <b>\$ 69,000.00</b>  | <b>\$ 154,600.00</b> | <b>\$ 154,600.00</b>  | <b>100.00%</b>    |          |
| <b>Totals</b> | <b>\$ 152,593.38</b>     | <b>\$ 154,675.65</b> | <b>\$ 95,822.57</b> | <b>\$ 86,908.40</b> | <b>\$ 490,000.00</b> | <b>\$ -</b>               | <b>\$ 20,547.67</b> | <b>\$ 18,387.20</b> | <b>\$ 21,565.13</b> | <b>\$ 60,500.00</b> | <b>\$ 11,181.92</b> | <b>\$ 71,604.79</b> | <b>\$ 91,993.48</b> | <b>\$ 170,219.81</b> | <b>\$ 345,000.00</b> | <b>\$ 895,500.00</b> | <b>\$ 895,500.00</b>  | <b>100.00%</b>    |          |