

RADCLIFF/ELIZABETHTOWN  
METROPOLITAN PLANNING ORGANIZATION

ANNUAL PERFORMANCE AND EXPENDITURE REPORT  
FISCAL YEAR 2021



Planning for the transportation  
needs of the region.

SEPTEMBER 2021

LINCOLN TRAIL AREA DEVELOPMENT DISTRICT  
P. O. BOX 604  
613 COLLEGE STREET ROAD  
ELIZABETHTOWN, KENTUCKY 42702-0604



Planning for the transportation  
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**RADCLIFF/ELIZABETHTOWN MPO  
METROPOLITAN TRANSPORTATION PLANNING  
ANNUAL PERFORMANCE AND EXPENDITURE REPORT  
Fiscal Year 2021  
July 1, 2020 through June 30, 2021  
Contract No. C-2000001397**

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### **PURPOSE OF REPORT**

The Annual Performance and Expenditure Report (APER) provides a summary of the transportation planning activities and products performed by the Radcliff/Elizabethtown Metropolitan Planning Organization during the fiscal year. The 2021 fiscal year began July 1, 2020 and ended June 30, 2021. Title 23 Code of Federal Regulations, Section 420.117 requires the State to submit a performance and expenditure report from each Metropolitan Planning Organization (MPO). These reports are due to the Federal Highway Administration 90 days after the end of the fiscal year. The APER describes the planning activities (tasks and subtasks), as well as the budget and expenditures of each task and subtask in the Unified Planning Work Program (UPWP). The UPWP is broken down into ten (10) major tasks: Program Administration, Unified Planning Work Program, Staff Training, Public Participation & Outreach, Transportation Improvement Program, Metropolitan Transportation Plan, Transportation Safety Planning, Transit Planning, Data Collection, and Miscellaneous Planning/Technical Studies.

The Radcliff-Elizabethtown MPO's transportation planning activities and work products are documented in the FY 2021 UPWP prior to the beginning of the fiscal year. At the end of the same fiscal year, these activities are analyzed and assessed in the APER to determine the progress for each task. To evaluate the progress of each task, the APER describes the work that was performed for each subtask. At the end of each task, there is a table that details the amount of federal funds that were budgeted and expended, including the remaining balance and the percentage of funds expended.

### **METROPOLITAN PLANNING ORGANIZATION**

The Radcliff-Elizabethtown Metropolitan Planning Organization (MPO) is responsible for continuing, cooperative, and comprehensive transportation planning for all modes of surface transportation in the Radcliff-Elizabethtown Metropolitan Area. As an urbanized area with a population over 50,000, the Radcliff-Elizabethtown has been designated as an MPO by the Governor since 2003. The Radcliff-Elizabethtown MPO is located in the City of Elizabethtown at the Lincoln Trail Area Development District and is governed by the MPO Policy Committee.

## **REVISIONS of FY 2021 UNIFIED PLANNING WORK PROGRAM (UPWP)**

No revisions were made to the TIP during the FY 2021 fiscal year.

### **WORK ELEMENTS**

#### **1. Program Administration**

##### **Purpose**

The Program Administration element includes the management and administration of the MPO transportation planning process, including MPO committee meetings, preparation of MPO quarterly progress reports and invoices, annual reports, meeting minutes, and other administrative requirements. The element also includes other MPO-relevant meetings attended or participated in throughout the fiscal year. This element may also include the purchase of necessary equipment, such as computers or programs, for carrying out the transportation planning process.

##### **Performance**

The Metropolitan Planning Organization (MPO) staff is responsible for coordinating all Policy and Technical Advisory Committee meetings and public meetings of the MPO. The following is a list of Policy and Technical Advisory Committee meetings held during FY 2020:

##### **MPO Policy Committee Meetings**

- July 9, October 15, January 14, April 15

##### **MPO Technical Advisory Committee Meetings**

- August 5, October 14, December 2, February 3, April 14, June 2

The MPO staff prepares and maintains minutes for all Radcliff/Elizabethtown MPO Policy Committee and Technical Advisory Committee (TAC) meetings.

The staff also attends and participates in various meetings and training opportunities related to the transportation planning work of the MPO. The MPO staff attended the following meetings and/or training opportunities during FY 2020:

- July 9 – MPO Policy Committee (Zoom)
- July 15 – Statewide Transportation Planning Meeting (BlueJeans)
- July 15 – LTADD Board of Directors Meeting (Zoom)
- July 23 – Transit Authority of Central KY Board Meeting (at TACK)
- August 5 – MPO Technical Advisor Committee Meeting (Zoom)

- August 19 – LTADD Board of Directors Meeting (LTADD)
- August 20 – MPO Policy Committee Meeting – Special-Called (Zoom)
- August 27 – TACK Board Meeting (at TACK)
- September 16 – LTADD Board of Directors Meeting (Zoom)
- September 24 – Transit Authority of Central KY Board Meeting (at TACK)
- October 14 – MPO Technical Advisory Committee (TAC) Meeting (Zoom)
- October 15 – MPO Policy Committee Meeting (Zoom)
- October 21 – LTADD Board of Directors Meeting (Zoom)
- October 22 – Transit Authority of Central KY Board Meeting (TACK)
- November 18 – Glendale Stakeholders Meeting (Zoom)
- November 18 – LTADD Board of Directors Meeting (Zoom)
- December 2 – MPO Technical Advisory Committee (TAC) Meeting (Zoom)
- December 8 – Meeting with Fort Knox Garrison – Discuss MPO (LTADD)
- December 10 – Transit Authority of Central KY Board Meeting (Zoom)
- December 16 – LTADD Regional Transportation Committee Mtg. (Zoom)
- December 16 – LTADD Board of Directors Meeting (Zoom)
- December 22 – EECS Projects Brainstorming Meeting (Teams)
- January 14 – MPO Policy Committee Meeting (Zoom)
- January 20 – Statewide Transportation Planning Meeting (Zoom)
- January 20 – LTADD Board of Directors Meeting (Zoom)
- January 27 – LTADD Hazard Mitigation Meeting (Zoom)
- January 28 – TACK Board of Directors Meeting (Zoom)
- February 2 – East Elizabethtown Connectivity Study (EECS) Meeting with City of Elizabethtown (MS Teams)
- February 3 – MPO Technical Advisory Committee (TAC) Meeting (Zoom)
- February 17 – LTADD Board of Directors Meeting (Zoom)
- February 18 – SHIFT 2022 Formula Discussion Meeting (Zoom)
- February 25 – TACK Board of Directors Meeting (Zoom)
- March 3 – Kentucky Transportation Safety Planning Pre-Workshop (Web)
- March 8 – EECS Practice Zoom Meeting with Qk4 (Zoom)
- March 11 – EECS Local Officials/Stakeholders Meeting (Zoom)
- March 12 – Hardin County Hazard Mitigation Plan Meeting (Zoom)
- March 17 – LTADD Regional Transportation Committee Mtg. (Zoom)
- March 19 – Meade County Hazard Mitigation Plan Meeting (Zoom)
- March 25 – TACK Board of Directors Meeting (Zoom)
- March 30 – Urban Areas for the 2020 Census (Webinar)
- April 14 – MPO Technical Advisory Committee (Zoom)
- April 15 – MPO Policy Committee Meeting (Zoom)
- April 21 – Statewide Transportation Planning Meeting (Zoom)
- April 21 – LTADD Board of Directors Annual Meeting (Zoom)
- April 22 – TACK Board of Directors Meeting (TACK)
- May 19 – LTADD Board of Directors Meeting (Zoom)
- May 27 – TACK Board of Directors Meeting (TACK)

- May 28 – Meeting w/ Qk4 – East Elizabethtown Connectivity Study (EECS) Discussion
- June 2 – MPO Technical Advisory Committee (Zoom)
- June 16 – LTADD Board of Directors Meeting (State Theater – E'town)
- June 24 – KYTC Site Visit (LTADD)
- June 24 – Meeting w/ Qk4 – East Elizabethtown Connectivity Study (EECS) Discussion
- June 28 – Bowling Green MPO Technical Advisory Comm. Mtg (Zoom)

The MPO staff developed reports and invoices and submitted to KYTC each quarter of the fiscal year. The MPO staff also carried out other basic administrative tasks throughout the fiscal year.

<b>FUNDING SOURCE</b>	<b>ESTIMATED AMOUNT</b>	<b>ACTUAL EXPENSE</b>
FHWA	\$38,400.00	\$44,690.90
KYTC	\$2,400.00	\$2,793.18
LTADD	\$7,200.00	\$8,379.54
<b>TOTAL</b>	<b>\$48,000.00</b>	<b>\$55,863.63</b>
<b>Percent Budget Spent</b>		<b>116.38%</b>
<b>Percent Work Completed</b>		<b>100%</b>
<b>FTA Portion</b>	<b>\$2,833.52</b>	<b>\$2,833.52</b>

The Administrative element was over budget due to numerous meetings throughout the fiscal year. Additional meetings were required with Qk4 for the East Elizabethtown Connectivity study and for the Glendale Area Transportation Study update. Other administrative tasks also contributed to this element being over budget.

The FTA portion of the Administration work element was revised at the request of the KYTC Office of Transportation Delivery to reflect actual costs.

## **2. Unified Planning Work Program**

### **Purpose**

The purpose of this element is to develop the annual Unified Planning Work Program (UPWP) for the MPO and modify or amend the current fiscal year UPWP, as necessary.

## **Performance**

The FY 2020 Performance and Expenditure (P&E) Report was completed during the 1<sup>st</sup> quarter of FY 2020.

The MPO staff began preparation for the FY 2022 Unified Planning Work Program (UPWP) during the 2<sup>nd</sup> quarter. A discussion was held with the MPO Technical Advisory Committee at their December 2 meeting. The committee was provided with an overview of the work elements and a review of the budget for the current fiscal year. The committee discussed known and possible projects for the upcoming fiscal year.

The *draft* FY 2022 Unified Planning Work Program (UPWP) was completed during the 3<sup>rd</sup> quarter. Copies of the UPWP document were provided to all MPO planning partners. The UPWP was a discussion item on the agenda for the January 9 MPO Policy Committee Meeting and the February 3 MPO TAC Meeting.

Upon receiving comments from KYTC and FHWA, the MPO staff completed the final FY 2022 Unified Planning Work Program (UPWP) during the 4<sup>th</sup> quarter. The UPWP was approved by the MPO Policy Committee at the April 15 meeting.

<b>FUNDING SOURCE</b>	<b>ESTIMATED AMOUNT</b>	<b>ACTUAL EXPENSE</b>
FHWA	\$5,600.00	\$5,815.43
KYTC	\$350.00	\$363.46
LTADD	\$1,050.00	\$1,090.39
<b>TOTAL</b>	<b>\$7,000.00</b>	<b>\$7,269.29</b>
<b>Percent Budget Spent</b>		<b>103.85%</b>
<b>Percent Work Completed</b>		<b>100%</b>

### **3. Staff Training**

#### **Purpose**

The Staff Training element is in place to ensure that the MPO staff is keeping up-to-date on the evolving trends in transportation planning. As necessary and as resources are available, the MPO staff attends training opportunities relevant to the MPO transportation planning process.

#### **Performance**

The MPO staff attended the following training opportunities during FY 2020:

- August 9-10 – KYTC Partnering Conference (Online)
- August 10 (AM) – C2 Community Virtual Meetings Webinar
- October 21 – Statewide Transportation Planning Meeting (Online)
- May 4-5 – Kentucky Transportation Safety Planning Workshop (Online)
- May 18-19 – Kentucky’s Nature’s Call to Action Conference (Online)

<b>FUNDING SOURCE</b>	<b>ESTIMATED AMOUNT</b>	<b>ACTUAL EXPENSE</b>
FHWA	\$3,200.00	\$2,007.68
KYTC	\$200.00	\$125.48
LTADD	\$600.00	\$376.44
<b>TOTAL</b>	<b>\$4,000.00</b>	<b>\$2,509.60</b>
<b>Percent Budget Spent</b>		<b>62.74%</b>
<b>Percent Work Completed</b>		<b>100%</b>

#### 4. Public Participation and Outreach

##### Purpose

Public participation is an essential element of the transportation planning process. The MPO conducts a participation program to ensure the public has an opportunity to have input into transportation decisions in the Radcliff/Elizabethtown planning area.

##### Performance

The draft Participation Plan was developed during the 1<sup>st</sup> quarter. The draft was submitted to FHWA and KYTC for review. Staff then addressed all comments received and prepared the final draft for public review and comment, which will take place during the 2<sup>nd</sup> quarter.

During the 2<sup>nd</sup> quarter, staff completed minor revisions to the MPO Participation Plan in preparation for presentation to the MPO Technical Advisory Committee at the December 2 meeting.

The Participation Plan 45-Day Public Review Period was held during the 2<sup>nd</sup> quarter from October 1 through November 16. The review period was advertised in Elizabethtown’s The News Enterprise and placed on both the MPO’s and LTADD’s Facebook pages.

The MPO Participation Plan was approved and recommended to the Policy Committee for final approval by the MPO TAC at their December 2, 2020

meeting. The Policy Committee approved the Participation Plan on April 15, 2021.

During the 4<sup>th</sup> quarter, MPO staff completed the 2021 update to the LTADD Title VI Implementation Plan. The first draft was submitted to the KYTC Office of Civil Rights on May 19. The MPO received comments back from KYTC on June 10. Those comments were addressed and the 2<sup>nd</sup> draft was submitted back to KYTC on June 17. One additional correction was requested by KYTC on June 21. This correction was made and resubmitted on the same day. The MPO received final approval of the Title VI Implementation Plan on June 25.

The MPO website was updated, as needed, throughout the fiscal year.

<b>FUNDING SOURCE</b>	<b>ESTIMATED AMOUNT</b>	<b>ACTUAL EXPENSE</b>
FHWA	\$12,800.00	\$11,946.86
KYTC	\$800.00	\$746.68
LTADD	\$2,400.00	\$2,240.04
<b>TOTAL</b>	<b>\$16,000.00</b>	<b>\$14,933.58</b>
<b>Percent Budget Spent</b>		<b>93.33%</b>
<b>Percent Work Completed</b>		<b>100%</b>
<b>FTA Portion</b>	<b>\$0.00</b>	<b>\$0.00</b>

The FTA portion of the Public Participation and Outreach work element was revised at the request of the KYTC Office of Transportation Delivery to reflect actual costs.

## **5. Transportation Improvement Program (TIP)**

### **Purpose**

The Transportation Improvement Program (TIP) is a short-range (four-year) program of transportation improvements based on the Metropolitan Transportation Plan (MTP). The TIP element ensures that the TIP is developed and maintained according to federal laws and regulations.

### **Performance**

The following Administrative Modifications were made to the TIP during FY 2021:

#### **Administrative Modification #16:**



**18-032** – I-65 – Repair and grind PCC pavement from just south of Joe Prather Highway (MP 102.100) extending north to the Bullitt County line (MP 103.308). – Construction – 2020 – \$9,130,000

**Administrative Modification #17:**

This administrative modification has been revised to reflect changes to the number of vehicles being purchased under TR-18-22 and to add vehicle purchases under TR-18-23.

**TR-18-22** – Transit Authority of Central Kentucky (TACK) will purchase 41 Wheelchair Transit Vehicles – 2020 – TOTAL \$2,547,400; FTA 5339=\$2,037,920; Toll Credits=\$509,480.

**TR-18-23** – Transit Authority of Central Kentucky (TACK) will purchase four (4) wheelchair transit vehicles and twenty-two 12-passenger vans and nine (9) Chevrolet Bolt electric passenger vehicles. Total \$1,427,009; FTA 5307 Capital = \$1,141,607; State Match \$142,701, TACK = \$142,701

**Administrative Modification #18:**

The following TIP project (4-9012) is being modified to add the Right-of-Way and Utility phases:

**4-9012** – Mini Roundabouts at Various Intersections within the City of Elizabethtown – Right-of-Way - \$300,000 – Utilities - \$200,000 – HSIP

The following projects are being added to the TIP for the Construction phases for all seven (7) mini-roundabout locations in the City of Elizabethtown:

- **4-9012.10** – Construct a Mini Roundabout at the Intersection of North Main St. & Crutcher St. – C - \$225,000 – HSIP
- **4-9012.20** – Construct a Mini Roundabout at the Intersection of Dolphin Dr. & Josale Dr. – C - \$265,000 – HSIP
- **4-9012.30** - Construct a Mini Roundabout at the Intersection of Commerce Dr. & Executive Dr. – C - \$350,000 – HSIP
- **4-9012.40** – Construct a Mini Roundabout at the Intersection of North Main St. & Poplar St. – C - \$240,000 – HSIP
- **4-9012.50** – Construct a Mini Roundabout at the Intersection of Woodland Dr. & Layman Ln. – C - \$240,000 – HSIP
- **4-9012.60** – Construct a Mini Roundabout at the Intersection of Poplar St. & Sycamore St. – C - \$250,000 – HSIP
- **4-9012.70** – Construct a Mini Roundabout at the Intersection of West Poplar St. & North Mantle Ave. – C - \$215,000 – HSIP

**Administrative Modification #19:**

**4-9002** – Construct a Reduced Conflict U-Turn (RCUT) at the intersection of KY 3005 (Ring Road) and KY 1904 (Bacon Creek Road) – Design - \$75,000 – Construction - \$750,000 – TOTAL - \$825,000 – HSIP

**Administrative Modification #20**

**4-9015.00** – US 62 – Perform Low-Cost Safety Improvements on US 62 from MP 7.844 to MP 10.900 in Hardin County – Design - \$200,000; Right-of-Way – \$15,000; Utilities – \$100,000 – HSIP

The following Administrative Modifications were made to the TIP during FY 2021:

**Amendment #3:**

Project ID: 4-153.01

Route: KY251

Project Type: Phase I Design(O) Length: 3.61 miles

Project Description: KY 251 Improvements from KY 3005 (Ring Road) to KY 434 (Battle Training Road). This project will address safety and geometric deficiencies along the route.

**Phases and Cost:**

Design: \$500,000

Utilities: \$4,200,000

Construction: \$9,400,000

Total Amount: \$14,100,000

Funding Type: Surface Transportation Program (STP)

The MPO staff started working on the development of 2022-2026 Transportation Improvement Program (TIP) during the latter few months of the fiscal year. Staff has reviewed the TIPs from several other MPOs, reviewed the federal TIP guidelines, developed an outline for the new TIP, and began work on the introductory sections. The TIP will be completed during the first and second quarters of FY 2022.

Finally, the FY 2020 Annual Listing of Obligated Projects was completed during the 2<sup>nd</sup> quarter of FY 2021.

<b>FUNDING SOURCE</b>	<b>ESTIMATED AMOUNT</b>	<b>ACTUAL EXPENSE</b>
FHWA	\$10,000.00	\$15,621.95
KYTC	\$625.00	\$976.37
LTADD	\$1,875.00	\$2,929.12
<b>TOTAL</b>	<b>\$12,500.00</b>	<b>\$19,527.44</b>
<b>Percent Budget Spent</b>		<b>156.22%</b>
<b>Percent Work Completed</b>		<b>100%</b>
<b>FTA Portion</b>	<b>\$133.60</b>	<b>\$133.60</b>

The FTA portion of the TIP work element was revised at the request of the KYTC Office of Transportation Delivery to reflect actual costs.

The PL funding for the TIP element was considerably overspent during FY 2021. MPO staff spent considerably more time on the FY 2022-2026 TIP than originally anticipated. There were also several TIP administrative modifications and one amendment completed during the FY.

## **6. Metropolitan Transportation Plan (MTP)**

### **Purpose**

The purpose of this element is for the development of a new 2045 Metropolitan Transportation Plan (MTP). The process of developing the 2045 MTP began in the 2<sup>nd</sup> half of FY 2019 and was completed and approved in the 3<sup>rd</sup> quarter of FY 2020. The MTP sets the long-range vision of the MPO and includes a list of prioritized transportation improvements. The MTP is a 25-year planning document and is updated every 5 years. The MTP identifies transportation needs for all modes of transportation in the Radcliff/Elizabethtown planning area. The element also includes other long-range planning activities including Strategic Highway Investment Formula for Tomorrow (SHIFT) 2020 Prioritization Process and the development and maintenance of projects in KYTC's Continuous Highway Analysis Framework (CHAF) database.

### **Performance**

During the 1<sup>st</sup> quarter, staff reviewed a list of projects from KYTC's Statewide Transportation Improvement Program (STIP) for potential regionally significant projects and submitted comments back to KYTC.

During the 2<sup>nd</sup> quarter, the MPO Staff reviewed Strategic Highway Investment Formula for Tomorrow (SHIFT) information from KYTC and shared the information with both the MPO Policy and Technical Advisory Committees. Staff

also responded to questions from Jason Blackburn (SHIFT Coordinator) regarding potential changes to SHIFT 2022.

Meade County submitted one project and the MPO staff has reviewed information regarding this project in preparation for adding it to the KYTC CHAF database.

During the 3<sup>rd</sup> quarter, the MPO Staff continued working on the Strategic Highway Investment Formula for Tomorrow (SHIFT) prioritization process. Several new projects were added to the KYTC Continuous Highway Analysis Framework (CHAF) database. Staff has also communicated with the MPO committees about the SHIFT schedule and process at their January and February meetings. Staff also completed a project spreadsheet for the MPO committees to review and consider projects to sponsor for the SHIFT process. Further, the MPO staff discussed projects with the District 4 staff and with Qk4, the consultant with the East Elizabethtown Connectivity Study (EECS). Three projects from the EECS were entered into the CHAF database to get them into the process for consideration during SHIFT 2022.

During the 4<sup>th</sup> quarter, staff worked with the MPO Technical Advisory and Policy Committees to sponsor 10 projects to be included in the SHIFT scoring process. The projects were reviewed and discussed at the respective April 14 and 15 meetings. The Policy Committee gave final approval on April 15.

<b>FUNDING SOURCE</b>	<b>ESTIMATED AMOUNT</b>	<b>ACTUAL EXPENSE</b>
FHWA	\$12,800.00	\$7,647.75
KYTC	\$800.00	\$477.98
LTADD	\$2,400.00	\$1,433.95
<b>TOTAL</b>	<b>\$16,000.00</b>	<b>\$9,559.69</b>
<b>Percent Budget Spent</b>		<b>59.75%</b>
<b>Percent Work Completed</b>		<b>100%</b>

## 7. Transportation Safety Planning

### Purpose

The safety of the transportation system is a top focus of the MPO and KYTC. Safety is also one of the ten (10) planning factors in the FAST Act. The transportation safety planning element ensures that the MPO gives to priority to transportation safety in the MPO transportation planning process.

### Performance

During the 1<sup>st</sup> quarter, MPO staff compiled information related to 2021 Safety Performance Targets for consideration by the MPO committees at their respective October meetings.

During the 2<sup>nd</sup> quarter, staff has reviewed the TACK Safety Plan and performance measure targets in preparation for MPO adoption and/or support.

<b>FUNDING SOURCE</b>	<b>ESTIMATED AMOUNT</b>	<b>ACTUAL EXPENSE</b>
FHWA	\$1,600.00	\$330.06
KYTC	\$100.00	\$20.63
LTADD	\$300.00	\$61.89
<b>TOTAL</b>	<b>\$2,000.00</b>	<b>\$412.58</b>
<b>Percent Budget Spent</b>		<b>20.63%</b>
<b>Percent Work Completed</b>		<b>20%</b>

This element was significantly underspent because Less staff time was required in this element than anticipated. The time required for TIP development and tasks in Element 10 also impacted this element.

## **8. Transit Planning**

### **Purpose**

The purpose of the Transit Planning element is for the MPO to actively work with public transportation providers in the MPO planning area and to assist with any public transportation planning needs. The MPO is also a member of the Transit Authority of Central Kentucky's (TACK) Board of Directors and works closely with TACK and Communicare on capital needs under the Section 5310 program.

### **Performance**

During the 3<sup>rd</sup> quarter, MPO staff completed the FTA Section 5303 application.

<b>FUNDING SOURCE</b>	<b>ESTIMATED AMOUNT</b>	<b>ACTUAL EXPENSE</b>
FHWA	\$1,600.00	\$294.02
KYTC	\$100.00	\$18.38
LTADD	\$300.00	\$55.13
<b>TOTAL</b>	<b>\$2,000.00</b>	<b>\$367.52</b>
<b>Percent Budget Spent</b>		<b>18.38%</b>
<b>Percent Work Completed</b>		<b>100%</b>
<b>FTA Portion</b>	<b>\$0.00</b>	<b>\$0.00</b>

This element was significantly underspent because very little transit-related planning was required during fiscal year 2022. Other elements required extra time and impacted this element also.

## 9. Data Collection

### Purpose

Data collection is essential to an effective transportation planning process. The MPO utilizes numerous sources of data for utilization in the planning process.

### Performance

During the 1<sup>st</sup> quarter, MPO staff updated maps and data for the Glendale Area Transportation Study.

During the 2<sup>nd</sup> and 3<sup>rd</sup> quarters, MPO staff has utilized data and mapping in the development of the 2022-2025 TIP, the SHIFT process, and working with Qk4 on the East Elizabethtown Connectivity Study (EECS).

<b>FUNDING SOURCE</b>	<b>ESTIMATED AMOUNT</b>	<b>ACTUAL EXPENSE</b>
FHWA	\$10,000.00	\$4,653.38
KYTC	\$625.00	\$290.84
LTADD	\$1,875.00	\$872.51
<b>TOTAL</b>	<b>\$12,500.00</b>	<b>\$5,816.73</b>
<b>Percent Budget Spent</b>		<b>46.53%</b>
<b>Percent Work Completed</b>		<b>100%</b>

## 10. Miscellaneous Planning & Technical Studies

### Purpose

This work element is dedicated to the various planning and technical studies and work items that the MPO conducts to meet the goals and objectives of the MPO. Studies and work items in this element will vary from year to year depending upon current the issues and priorities of the MPO.

### Performance

Two major projects were conducted under this element during fiscal year 2021: the East Elizabethtown Connectivity Study (EECS) and the Glendale Area Transportation Study update.

Staff worked with our consultant, Qk4, throughout fiscal year 2021 on the East Elizabethtown Connectivity Study (EECS). Several meetings were held through the year with local elected officials, stakeholders, and both the MPO Technical Advisory Committee (TAC) and Policy Committee. MPO staff reviewed portions of the EECS throughout the year including crash data, traffic data, and other relevant data. MPO staff was also closely involved in the development of potential improvement projects. All improvement options were also reviewed with the City of Elizabethtown, Hardin County, and District 4 staff. During the 4<sup>th</sup> quarter of the fiscal year, MPO staff reviewed several sections of the EECS document that Qk4 began developing, including an in-depth review of proposed projects and a preliminary ranking of all projects. Several one-on-one meetings were held with Qk4 staff throughout the EECS process.

The MPO also updated the 2008 Glendale Area Transportation Study during fiscal year 2021. This study was developed to address potential transportation improvements in the vicinity of the 1,550-acre Glendale Mega Site. This site was purchased by the Commonwealth of Kentucky in 2008 as a potential major industrial site. The original study identified several transportation improvements that enhance access to the site, while protecting the Glendale Historic District. The MPO decided the study needed to be revisited to ensure that a plan is in place to meet the needs of 2020. Below is a list of tasks the MPO completed in the study update.

- Interviewed Several Stakeholders
- Questionnaire for Stakeholders
- Review of 2008 Study
- Research and Updating of Data for the Study Area
- Review of the Hardin County Comprehensive Plan for Land Use Updates
- Meetings with Stakeholders to Discuss Mega Site
- Development of a Transportation Plan

This work was completed during the 1<sup>st</sup> and 2<sup>nd</sup> quarters of the fiscal year. The Glendale Area Transportation Study update was approved by the Policy Committee at their meeting in the 3<sup>rd</sup> quarter.

<b>FUNDING SOURCE</b>	<b>ESTIMATED AMOUNT</b>	<b>ACTUAL EXPENSE</b>
FHWA	\$20,000.00	\$22,074.03
KYTC	\$1,250.00	\$1,379.63
LTADD	\$3,750.00	\$4,138.88
<b>TOTAL</b>	<b>\$25,000.00</b>	<b>\$27,592.54</b>
<b>Percent Budget Spent</b>		<b>110.37%</b>
<b>Percent Work Completed</b>		<b>100%</b>

The Miscellaneous Planning and Technical Studies work element was over budget due to additional time needed for both the East Elizabethtown Connectivity Study and the Glendale Area Transportation Study.





**Radcliff/Elizabethtown Metropolitan Planning Organization  
Fiscal Year 2021 Expenditures**

Work Element	Description	BUDGET	ACTUAL EXPENSES				Total	Percent Budget
			FHWA-PL	FTA-5303	State	Local		
1	Administration	\$48,000	\$44,690.90	-	\$2,793.18	\$8,379.54	\$55,863.63	116.38%
	>FTA-5303 Administration	\$2,833.52	-	\$2,266.82	-	\$566.70	\$2,833.52	100.00%
2	UPWP	\$7,000	\$5,815.43	-	\$363.46	\$1,090.39	\$7,269.29	103.85%
3	Staff Training	\$4,000	\$2,007.68	-	\$125.48	\$376.44	\$2,509.60	62.74%
4	Public Participation	\$16,000	\$11,946.86	-	\$746.68	\$2,240.04	\$14,933.58	93.33%
	>FTA-5303 Public Part.	\$0.00	-	\$0.00	-	\$0.00	\$0.00	0.00%
5	Trans. Improvement Prog.	\$12,500	\$15,621.95	-	\$976.37	\$2,929.12	\$19,527.44	156.22%
	>FTA-5303 TIP	\$133.60	-	\$106.88	-	\$26.72	\$133.60	100.00%
6	Metro. Transportation Plan	\$16,000	\$7,647.75	-	\$477.98	\$1,433.95	\$9,559.69	59.75%
7	Trans. Safety Planning	\$2,000	\$330.06	-	\$20.63	\$61.89	\$412.58	20.63%
8	Transit Planning	\$2,000	\$294.02	-	\$18.38	\$55.13	\$367.52	18.38%
	>FTA-5303 Transit Planning	\$0.00	-	\$0.00	-	\$0.00	\$0.00	0.00%
9	Data Collection	\$12,500	\$4,653.38	-	\$290.84	\$872.51	\$5,816.73	46.53%
10	Misc. Planning/Tech. Studies	\$25,000	\$22,074.03	-	\$1,379.63	\$4,138.88	\$27,592.54	110.37%
	<b>TOTAL</b>	<b>\$147,967.12</b>	<b>\$115,082.08</b>	<b>\$2,373.70</b>	<b>\$7,192.63</b>	<b>\$22,171.31</b>	<b>\$146,819.72</b>	<b>99.22%</b>

>Element 1 - Administration - The Administrative element was over budget due to numerous meetings throughout the fiscal year. Additional meetings were required with Qk4 for the East Elizabethtown Connectivity study and for the Glendale Area Transportation Study update. Other administrative tasks also contributed to this element being over budget.

>Element 5 - TIP - The PL funding for the TIP element was considerably overspent during FY 2021. MPO staff spent considerably more time on the FY 2022-2026 TIP than originally anticipated. There were also several TIP administrative modifications and one amendment completed during the FY.

>Element 7 - Transportation Safety Planning - Less staff time was required in this element than anticipated. The time required for TIP development and tasks in Element 10 also impacted this element.

>Element 9 - There was very little transit-related planning required during fiscal year 2022. Other elements required extra time and impacted this element.

>Element 10 - Misc. Planning & Technical Studies - The Miscellaneous Planning and Technical Studies work element was over budget due to additional time needed for both the East Elizabethtown Connectivity Study and the Glendale Area Transportation Study.