

KENTUCKY

**STATEWIDE TRANSPORTATION IMPROVEMENT PROGRAM (STIP)
For FY 2019-2022**

ADMINISTRATIVE MODIFICATION #2018.222

I. Proposed Action:

Modify the FY 2019-2022 STIP to include Amendment #3 to the Radcliff/Elizabethtown Metropolitan Planning Organization's FY 2018-2022 Transportation Improvement Program (TIP).

Location:

Radcliff/Elizabethtown Metropolitan Planning Organization Area

II. Scope of Activity:

See the attachments for detail information.

III. Additional Remarks:

This modification will become part of the 2018 STIP end of Federal Fiscal Year 2020 "fiscal constraint" recalculations.

IV. Administrative Modification Approval:

Modification Recommended for Approval:

Approval of Modification:



Kentucky Transportation Cabinet Date

Ronald B. Rigney, Director

Division of Program Management

8-21-20

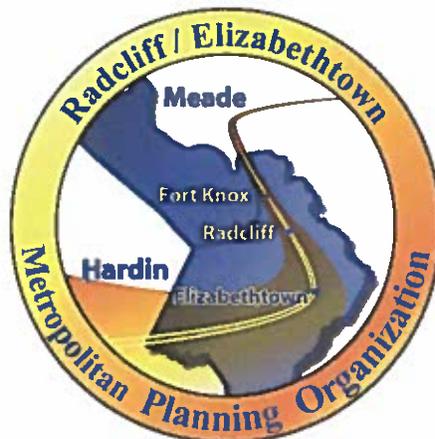
Federal Highway Administration Date

Recommended by

Date

**RADCLIFF/ELIZABETHTOWN
METROPOLITAN PLANNING ORGANIZATION**

**2018- 2022
TRANSPORTATION IMPROVEMENT PROGRAM
AMENDMENT #3**



Planning for the transportation
needs of the region.

AUGUST 20, 2020



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



RESOLUTION
OF THE
RADCLIFF/ELIZABETHTOWN
METROPOLITAN PLANNING ORGANIZATION
AMENDING THE
2018-2022 TRANSPORTATION IMPROVEMENT PROGRAM
AMENDMENT #3

WHEREAS, Section 134, Title 23, USC requires that a continuing, comprehensive transportation planning process be carried out cooperatively in areas of more than 50,000 population and that the urban transportation planning process shall include the development of a Metropolitan Transportation Plan (MTP), updated every 5 years, and the development of a Transportation Improvement Program (TIP), updated every 4 years, with both documents amended on an as needed basis; and

WHEREAS, the Policy Committee is the designated Metropolitan Planning Organization (MPO) for the Radcliff Elizabethtown MPO urbanized area; and

WHEREAS, the transportation planning process is being carried out in conformance with all Federal requirements and has been so certified; and

WHEREAS, the amendment described in this resolution to the 2018-2022 Transportation Improvement Program (TIP) has been developed by the MPO staff in consultation with, and is recommended by, the MPO Technical Advisory Committee; and

WHEREAS, it has been determined that this amendment has been developed in accordance with the MPO Participation Plan; and

WHEREAS, this amendment is consistent with Title VI of the Civil Rights Act requirements related to nondiscrimination in federally assisted programs; and

WHEREAS, this amendment will result in a TIP that remain fiscally constrained; and

NOW, THEREFORE BE IT RESOLVED that the Policy Committee of the Radcliff/Elizabethtown MPO hereby amends the 2018-2022 Transportation Improvement Program (TIP) to add the highway improvement on the attached page:

The undersigned duly qualified and acting Chairman certifies that the foregoing is a true and correct reflection of action taken by the MPO Policy Committee.

Harry L. Berry, Chairman
Policy Committee
Radcliff/Elizabethtown MPO

August 20, 2020

Date



**RADCLIFF/ELIZABETHTOWN
METROPOLITAN PLANNING ORGANIZATION
2018-2022 TRANSPORTATION IMPROVEMENT PROGRAM
AMENDMENT #3**

ACTION:

The Radcliff/Elizabethtown Metropolitan Planning Organization (MPO) hereby amends the FY 2018-2022 Transportation Improvement Program (TIP) to add the following project:

Project ID: 4-153.01

Route: KY 251

Project Type: Phase I Design(O)

Length: 3.61 miles

| | | |
|-------------------------|----------------------|--------------|
| Phases and Cost: | Design: | \$ 500,000 |
| | Utilities: | \$ 4,200,000 |
| | Construction: | \$ 9,400,000 |

Total Amount: \$14,100,000

Type of Funding: STP

Responsible Agency: Kentucky Transportation Cabinet, District 4

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.

Financial Constraint: This amendment allows the programming of federal funding for the design and utilities phases of this project. This federal funding has been committed by the project sponsor (KYTC). The additional funding maintains financial constraint of the TIP as indicated in the revised Table 11 (attached below).

Anticipated Effect of the TIP Amendment Toward Achieving Performance Based Planning and Programming Targets:

Since the project is not on the National Highway System, safety is the only performance measure area that applies.

The need for the improvements to KY 251 between KY 3005 (Ring Road) and KY 434 (Battle Training Road) are based on the highway's existing geometry and reported crash trends. This section of roadway has narrow driving lanes, varying between 9 to 9.5 feet. Shoulders are minimal as well, leaving little recovery area for motorists. The vertical

grade is also substandard. There are 45 vertical curves along the route, with 37 of them not providing adequate stopping sight distance at a 55-mph travel speed.

Based on reported crashes occurring between 2013-2016, there were 67 crashes along this section of KY 251, including one fatality event and 10 crashes resulting in injuries. Predominant crash types include single-vehicle (30%), rear ends (27%), and angle collisions (24%). Although KY 251 does not demonstrate an above-average concentration of crashes, there are five 0.1-mile-long high crash "spots" along the corridor.

This project will address many of the issues that contribute to the crashes, including widening of lanes and shoulders and flattening of vertical curves to provide for better sight distance. Therefore, these improvements will contribute safety benefits that will help make progress in achieving KYTC's Safety Performance Targets.

Table 7
 Raddi/Elizabethtown MPO
 Transportation Improvement Program
 FY 2018-2022
 Federally Funded Highway Projects

| ROUTE | PROJECT ID | KYIC ID | MTP TABLE # | COUNTY | DESCRIPTION | TYPE OF FUNDS | PHASE | YEAR | COST | TOTAL PROJECT COST | RESPONSIBLE AGENCY |
|--------|------------|----------|-------------|--------|--|---------------|-------|------|-------------|--------------------|--------------------|
| KY 251 | 18-033 | 4-153.01 | Table 1 | Hardin | KY 251 Improvements between KY 3005 and KY 434 | STP | D | 2020 | \$500,000 | \$14,100,000 | KYTC - Dist. 4 |
| | | | | | | | U | 2022 | \$4,200,000 | | |
| | | | | | | | C | 2023 | \$9,400,000 | | |

Table 11
 Summary of Funding
 Reddick/Essex/Whitton MPO
 Transportation Improvement Program, FY 2018-2022

| Funding Type | Carryover from Previous TIP FY 2016-2017 | | FY 2018 | | FY 2019 | | FY 2020 | | FY 2021 | | FY 2022 | | TOTAL | |
|--------------|--|--------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|----------------------|
| | Est. Cost | Revenue | Est. Cost | Revenue | Est. Cost | Revenue | Est. Cost | Revenue | Est. Cost | Revenue | Est. Cost | Revenue | Est. Cost | Revenue |
| BR2 | | | \$12,750,000 | \$12,750,000 | | | | | | | | | \$12,750,000 | \$12,750,000 |
| FTA | \$1,698,345 | \$1,698,345 | \$2,999,854.25 | \$2,999,854.25 | \$3,356,202 | \$3,356,202 | \$1,825,146.25 | \$1,825,146.25 | \$3,419,302 | \$3,419,302 | \$1,578,000 | \$1,578,000 | \$14,876,849.50 | \$14,876,849.50 |
| HSIP | | | | | \$5,425,000 | \$5,425,000 | \$6,151,000 | \$6,151,000 | \$1,630,000 | \$1,630,000 | | | \$13,206,000.00 | \$13,206,000.00 |
| IM | | | | | \$2,110,000 | \$2,110,000 | | | | | \$15,690,000 | \$15,690,000 | \$17,800,000 | \$17,800,000 |
| NHPP/NH | | | \$14,350,000 | \$14,350,000 | \$11,964,000 | \$11,964,000 | \$9,295,000 | \$9,295,000 | \$8,217,000 | \$8,217,000 | \$33,173,400 | \$33,173,400 | \$76,999,400 | \$76,999,400 |
| SFP | | | \$19,000,000 | \$19,000,000 | \$4,500,000 | \$4,500,000 | | | | | | | \$23,500,000 | \$23,500,000 |
| STP | | | | | \$5,754,440 | \$5,754,440 | \$11,020,660 | \$11,020,660 | \$5,239,000 | \$5,239,000 | \$4,337,800 | \$4,337,800 | \$26,351,900 | \$26,351,900 |
| RTP | \$69,310 | \$69,310 | \$104,980 | \$104,980 | | | | | | | | | \$174,290 | \$174,290 |
| TAP | \$277,800 | \$277,800 | | | \$659,894.40 | \$659,894.40 | | | | | | | \$937,694.40 | \$937,694.40 |
| TOTAL | \$2,045,455 | \$2,045,455 | \$49,204,834 | \$49,204,834 | \$33,769,536 | \$33,769,536 | \$28,291,806 | \$28,291,806 | \$18,505,302 | \$18,505,302 | \$54,779,200 | \$54,779,200 | \$186,596,134 | \$186,596,134 |

* The Kentucky Transportation Cabinet's Statewide Transportation Improvement Program (STIP) covers the years 2017-2020. The additional years in the Reddick/Essex/Whitton MPO TIP will be considered information only by the Federal Highway Administration (FHWA) and Federal Transit Administration (FTA).