

RADCLIFF/ELIZABETHTOWN  
METROPOLITAN PLANNING ORGANIZATION

2018 – 2022  
TRANSPORTATION IMPROVEMENT PROGRAM  
AMENDMENT #3



Planning for the transportation  
needs of the region.

JULY 24, 2020



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



**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

<b>Phases and Cost:</b>	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 to 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  
 Raddliff/Elizabethtown MPO  
 Transportation Improvement Program  
 FY 2018-2022  
 Federally-Funded Highway Projects

ROUTE	PROJECT ID	KYTC 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  
 Radcliff/Elizabethtown MPO  
 Transportation Improvement Program FY 2018-2022\*

Funding Type	Caryover 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
SPP			\$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
<b>TOTAL</b>	<b>\$2,045,455</b>	<b>\$2,045,455</b>	<b>\$49,204,834</b>	<b>\$49,204,834</b>	<b>\$33,769,536</b>	<b>\$33,769,536</b>	<b>\$28,291,806</b>	<b>\$28,291,806</b>	<b>\$18,505,302</b>	<b>\$18,505,302</b>	<b>\$54,779,200</b>	<b>\$54,779,200</b>	<b>\$186,596,134</b>	<b>\$186,596,134</b>

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