KENTUCKY

STATEWIDE TRANSPORTATION IMPROVEMENT PROGRAM (STIP) For FY 2021-2024

ADMINISTRATIVE MODIFICATION #2021.187

I. Proposed Action:

Modify the KYTC's FY 2021-2024 Statewide Transportation Improvement Program (STIP) to include the Bowling Green-Warren County MPO's Administrative Modification #18 to the FY 2019-2024 Transportation Improvement Program (TIP).

Location:

Bowling Green-Warren County MPO Area

Scope of Activity:

See the attachments for detail information.

II. Additional Remarks:

This modification to the STIP will become part of the 2021 STIP end of Federal Fiscal Year 2023 "fiscal constraint" recalculations.

III. Administrative Modification Approval:

Modification Recommended for Approval:

Jill Lamb for Ron Rigney5/12/2023Kentucky Transportation CabinetDateRonald B. Rigney, DirectorDivision of Program Management

Bowling Green – Warren County Metropolitan Planning Organization

FY 2019-24 Transportation Improvement Program (TIP) Administrative Modification #18

ACTION:

The Bowling Green-Warren County Metropolitan Planning Organization (MPO) hereby modifies the FY 2019-2024 Transportation Improvement Program (TIP). This modification reflects the addition of construction funds for a safety-hazard elimination project on US-231, under the Grouped Projects project addition.

ITEM #s: 3-937.00

DESCRIPTION: Installation of high friction surface treatment on US 231 from MP 22.00 to MP 22.60 in Warren

County.

SCOPE OF WORK: Safety-Hazard Elimination (P)

ROUTE: US 231

<u>PHASE:</u> C <u>FY</u>: 2023

FUND TYPE: HSIP AMOUNT: \$288,000

Other Information: This TIP Modification adds specific funding levels for Highway Safety Improvement Program implementation (HSIP) in *Table 2 (Summary of Funding)* of the TIP and adds the listed project phase to *Table 4 (Federally Funded Projects)* and *Table 9 (Projects Contributing to the Achievement of Highway Performance Targets)*. *HSIP* projects are a project type identified in the Grouped Projects Table of the TIP; therefore, a TIP Amendment is not necessary. A listing of Grouped Projects has been included in the TIP allowing planning process stakeholders and the general public to be informed of the types of potential projects that may be added to the TIP and Metropolitan Transportation Plan (MTP) by Administrative Modification. This modification references *Table 7.4 – HSIP Projects –* in the MTP. TIP actions for these projects will not require additional public review. This action involves a commitment of funding for the project by the project sponsor (Kentucky Transportation Cabinet). This funding maintains financial constraint of the TIP and MTP documents, and no additional financial constraint analysis by the MPO is needed.

The modified FY2019-2024 TIP tables are included on the following pages.

Approved

Karissa Lemon

MPO Coordinator

Bowling Green-Warren County MPO

<u>5/11/2023</u> Date

			ТАВІ	LE 2	2 SUMMA	RY	OF HIGHWA	Y Fl	JNDING TY	PES						
		FUNDING TYPE														
FISCAL YEAR		NH		HSIP			STP		TAP		RTP		GR		TOTAL	
2019	Est. Cost	\$	800,000	\$	590,000	\$	-	\$	2,158,924					\$	3,548,924	
2013	Revenue	\$	800,000	\$	590,000	\$	-	\$	2,158,924					\$	3,548,924	
2020	Est. Cost			\$	3,812,000	\$	-							\$	3,812,000	
2020	Revenue			\$	3,812,000	\$	-							\$	3,812,000	
2021	Est. Cost	\$	29,050,000	\$	3,900,000	\$	13,590,000							\$	46,540,000	
2021	Revenue	\$	29,050,000	\$	3,900,000	\$	13,590,000							\$	46,540,000	
2022	Est. Cost	\$	28,690,000	\$	611,355	\$	160,000			\$	31,250	\$	25,000	\$	29,492,605	
2022	Revenue	\$	28,690,000	\$	611,355	\$	160,000			\$	31,250	\$	25,000	\$	29,517,605	
2023	Est. Cost	\$	14,500,000	\$	1,330,000	\$	1,625,000	\$	1,650,000					\$	19,136,250	
	Revenue	\$	14,500,000	\$	1,330,000	\$	1,625,000	\$	1,650,000					\$	19,105,000	
2024	Est. Cost	\$	3,000,000			\$	15,450,000							\$	18,450,000	
	Revenue	\$	3,000,000			\$	15,450,000							\$	18,450,000	
TOTAL	Est. Cost	\$	76,040,000	\$	10,243,355	\$	30,825,000	\$	3,808,924	\$	31,250	\$	25,000	\$	120,948,529	
	Revenue	\$	76,040,000	\$	10,243,355	\$	30,825,000	\$	3,808,924	\$	31,250	\$	25,000	\$	120,948,529	

TABLE 4 FEDERALLY FUNDED TRANSPORTATION PROJECTS											
KYTC ID ROUTE LENGTH PROJECT DESCRIPTION FUND TYPE YEAR PHASE											
3-937.00	US-231	0.60	Installation of high friction surface treatment on US 231 from MP 22.00 to MP 22.60 in Warren	HSIP	2023	С	288,000				
TOTAL FUNDING FOR ALL TIP PROJECTS											

Federally Funded Transportation Projects											
Bowling Green-Warren County MPO TIP (FY2019-2024)											
KYTC ID	KYTC ID Route Length Project Description										
3-937.00	US-231	0.60	0.60 Installation of high friction surface treatment on US 231 from MP 22.00 to MP 22.60 in Warren County.								
Fund Type	Phase	FY 2019	FY 2020	FY 2021	FY 2022	FY	2023	FY 2024	Future	Tota	l Funding
HSIP	С					\$ 2	288,000			\$	288,000
TOTAL										\$	288,000

Note Project Description Total Phase Performance Measure String Performance Measure String Stri		TAB	LE 9 PROJECTS CONTRIBUTING TO THE ACHIEVEMENT OF HIGHWAY PERFORM	IANCE TARGET	S
3-199.00 US-31W	KYTC ID	Route	Project Description		Performance Measure
3-16C,00	3-110.3	KY-185	Improve KY-185 from 0.24 miles south of Pruitt Rd to 0.16 miles south of KY 1320. MP 6.540 to 8.350	8,500,000	Safety
### ### #### #########################	3-199.00	US-31W	Improve US-31W from south of KY-242 (Richpond Road) to Dillard Road. BMP/EMP 4.1-6.7	11,690,000	Safety
3-932.00 US-317W Installation of an intersection Conflict Warning System and minor access management improvements at the intersection of US-31W (Nashville R0) and NY 240 (Woodburn Nien's Springs Rd / Petros Rd.) S1,335 Safety	3-166.00	US-68	- · · · · · · · · · · · · · · · · · · ·	1,775,000	Safety
### 19-93-00	3-199.99	US-31W	Construct a pedestrian underpass under US-31W connecting Buchanon Park trail to Chaney's Dairy Barn.	450,000	Safety
3-935 Nr. 234 Installation of pervenent markers on various rotter in Warren County. 5.1,355 Safety 3-9350 + 55/-165 Installation of wrong way driving signs and parement markings on various off ramps in District 3 292,000 Safety 3-9370 U5-231 Installation of livong way driving signs and parement markings on various off ramps in District 3 292,000 Safety 3-9370 U5-231 Installation of high friction surface treatment or U5-231 from MP 22.00 to NP 22.00 in NP 22.	3-933.00	US-31W			Safety
3-937.00 US-231 Installation of high finction surface treatment on US-231 from MM-22.00 to MM-22.60 in Name 2.88.000 Safety	3-935		Installation of pavement markers on various routes in Warren County.	51,355	Safety
3-3018.00 GW Rehabilitation of the College Street pedestrian bridge in Downtown Bowling Green. 1,650,000 Safety 3-2042.20 1-165 F6 Spur conidor: Improve the Natcher Parkway/US-231 interchange (Exit 9) on the west side of Bowling 8,400,000 Safety 3-2005.00 GW Funding for this project will pay for construction of a new greewway path connecting Moss Middle School 15,500 Safety 3-2006.00 GW Construct 10 Fake/pad trail from Roland Bland Park to Hobbon Grove Park to close the gap between Downtrown Bowling Green and the West End in Bowling Green to maintain/Improve sidewalks and/or provide ADA complaince on in Safety Interchange (International Colorwing) Green to maintain/Improve Sidewalks and/or provide ADA complaince on in Safety Interchange (International Colorwing) Green to maintain/Improve Sidewalks and/or provide ADA complaince on in Safety Interchange (International Colorwing) Green (International Colorwing) Gree	3-936.00	I-65/I-165	Installation of wrong way driving signs and pavement markings on various off ramps in District 3	292,000	Safety
3-204.20 1-165 1-1	3-937.00	US-231	Installation of high friction surface treatment on US 231 from MP 22.00 to MP 22.60 in Warren	288,000	Safety
3-300-00 GW Funding for this project will pay for construction of a new greenway path connecting Moss Middle School 175,000 Safety	3-3018.00	GW	Rehabilitation of the College Street pedestrian bridge in Downtown Bowling Green.	1,650,000	Safety
3-3206.00 GW Construct 10' bike/ped trail from Roland Bland Park to Hobson Grove Park to close the gap between Downtown Bowling Green and the West End in Bowling Green. 1,137,441 Safety	3-2042.20	I-165	· · · · · · · · · · · · · · · · · · ·	8,400,000	Safety
3-3246.00 GW	3-3205.00	GW	Funding for this project will pay for construction of a new greenway path connecting Moss Middle School	175,000	Safety
3-3/19/100 3-3	3-3206.00	GW	- · · · · · · · · · · · · · · · · · · ·	1,137,441	Safety
3-8702.00	3-3219.00	GW		846,483	Safety
Win-9007 Win-9007 Construct a new interchange on i-165 (Natcher Parkway) at Eirod Road in Bowling Green (MP 3.4 - MP 4.1) 43,190,000 Safety	3-4307.0	KY-234	Install guardrail on KY-234 (Cemetery Rd).	25,000	Safety
3-8905.00 US-31W Improve mobility and reduce congestion on US-31W from US-68 to Mizpah Road. 5,760,000 Safety 3-9015.00 KY-234 Perform safety improvements on KY-234 (Cemetery Rd) from the Warren/Allen County line to CR- 1175/CR-1155 in Warren County, MP 0.0 to 7.218 1,250,000 Safety 3-9018.00 US-231 Construct a right turn lane along US 231 (Campbell Ln) at the intersection with Gary Farms Blvd. 400,000 Safety 3-9019.00 US-231 intersection and corridor improvements to reduce conflict points and enhance safety along US 231 (Scottswille Rd) from MP 0.3 to 6.6. Safety 3-9019.00 US-68 Remove raised median and construct a left turn lane at Old Tram Road and US 68 (Russellville Rd). 100,000 Asset Management Bridge Condition 3-9024.00 KY-185 Perform low-cost safety improvements on KY 185 from MP 8.250 to MP 10.050 in Warren County. 760,000 Safety 3-10015.00 KY-1435 Address deficiencies of KY-1435 bridge over Gasper River. MP 9.445 to 9.481 1,250,000 Asset Management Pavement Condition 3-20016.00 I-65 Address pavement condition of I-65 both directions from MP 19.6 to 25.2. 14,850,000 Asset Management Pavement Condition 3-20018.00 I-165 Address pavement condition of the Natcher Parkway both directions from MP 0 to 2.473. 2,200,000 Safety 3-8012.00 US-68 Perform low-cost safety improvements on US-68 (Glasgow Rd), MP 20.898 to MP 27.284 1,140,000 Asset Management Bridge Condition 3-80203.00 US-68 Perform low-cost safety improvements on US-68 (Glasgow Rd), MP 20.899 to MP 27.284 1,140,000 Safety 3-80203.00 US-31W Improve mobility and reduce congestion on US-31W (Louisville Road) from Mizpah Road to Freeport Road. 3-80204.00 I-65 Construct a two-lane roundabout at the intersection of KY-101 and the I-65 southbound entrance and exit ramps in Smiths Grove. Widen the existing I-65 southbound exit ramps to two lanes and extend the beginning point of the ramp approximately five-hundred feet. 10TOAL TIP FUNDING Total Safety Safe	3-8702.00	US-231	Improve US-231 (Scottsville Road) from Pascoe Blvd to north of Cave Mill Road.	3,400,000	System Reliability
3-9015.00 KY-234 Perform safety improvements on KY-234 (Cemetery Rd) from the Warren/Allen County line to CR- 1,250,000 Safety 3-9018.00 U5-231 Construct a right turn lane along US 231 (Campbell Ln) at the intersection with Gary Farms Blvd. 400,000 Safety 3-9019.00 U5-231 Intersection and corridor improvements to reduce conflict points and enhance safety along US 231 400,000 Safety 3-9020.00 U5-68 Remove raised median and construct a left turn lane at Old Tram Road and US 68 (Russellville Rd). 100,000 Safety 3-9024.00 KY-185 Perform low-cost safety improvements on KY 185 from MP 8.250 to MP 10.050 in Warren County. 760,000 Safety 3-10015.00 KY-1435 Address deficiencies of KY-1435 bridge over Gasper River. MP 9.445 to 9.481 1,250,000 Asset Management Pavement Condition 3-20016.00 I-65 Address pavement condition of I-65 both directions from MP 19.6 to 25.2. 14,850,000 Asset Management Pavement Condition 3-20018.00 I-165 Address pavement condition of the Natcher Parkway both directions from MP 0 to 2.473. 2,200,000 Safety 3-9012.00 U5-68 Perform low-cost safety improvements on U5-68 (Glasgow Rd). MP 20.889 to MP 27.284 1,140,000 Asset Management Bridge Condition 3-8015.00 CR-1350 Rehabilitate bridge over Barren River on Old Richardsville Rd (CR-1350). 650,000 Safety 3-80214.00 Improve mobility and reduce congestion on US-31W (Louisville Road) from Mizpah Road to Freeport Road. 4,000,000 Safety Construct a two-lane roundabout at the intersection of KY-101 and the I-65 southbound entrance and exit ramps in Smiths Grove. Widen the existing I-65 southbound exit ramp to two lanes and extend the beginning point of the ramp approximately five-hundred feet. 1011 Safety 1013 Safety 1014 Type Reliability 1016 Sa,0000 1016 Safety 1017 Safety Sa,0000 1017 Safety Sa,0000 1018 Safety Sa,0000 1018 Safety Sa,0000	03-8707	WN-9007	- · · · · · · · · · · · · · · · · · · ·	43,190,000	Safety
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3-902.00 US-68 Remove raised median and construct a left turn lane at Old Tram Road and US 68 (Russellville Rd). 3-902.00 US-68 Remove raised median and construct a left turn lane at Old Tram Road and US 68 (Russellville Rd). 3-9024.00 KY-185 Perform low-cost safety improvements on KY 185 from MP 8.250 to MP 10.050 in Warren County. 3-9024.00 KY-1435 Address deficiencies of KY-1435 bridge over Gasper River. MP 9.445 to 9.481 1,250,000 Asset Management - Pavement Condition 3-20016.00 I-65 Address pavement condition of I-65 both directions from MP 19.6 to 25.2. 14,850,000 Asset Management - Pavement Condition 3-20016.00 I-165 Address pavement condition of I-65 both directions from MP 19.6 to 25.2. 14,850,000 Asset Management - Pavement Condition 3-20016.00 I-165 Address pavement condition of I-65 both directions from MP 0 to 2.473. 2,200,000 Safety 3-9012.00 US-68 Perform low-cost safety improvements on US-68 (Glasgow Rd). MP 20.889 to MP 27.284 1,140,000 Asset Management - Bridge Condition 3-80151.00 CR-1350 Rehabilitate bridge over Barren River on Old Richardsville Rd (CR-1350). 650,000 Safety 3-80203.00 US-31W Improve mobility and reduce congestion on US-31W (Louisville Road) from Mizpah Road to Freeport Road. 4,000,000 Safety Construct a two-lane roundabout at the intersection of KY-101 and the I-65 southbound entrance and exit ramps in Smiths Grove. Widen the existing I-65 southbound evit ramp to two lanes and extend the beginning point of the ramp approximately five-hundred feet.	3-9015.00	KY-234		1,250,000	Safety
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3-10015.00 KY-1435 Address deficiencies of KY-1435 bridge over Gasper River. MP 9.445 to 9.481 1,250,000 Asset Management - Pavement Condition 3-20016.00 I-65 Address pavement condition of I-65 both directions from MP 19.6 to 25.2. 14,850,000 Asset Management - Pavement Condition 3-20018.00 I-165 Address pavement condition of the Natcher Parkway both directions from MP 0 to 2.473. 2,200,000 Safety 3-9012.00 US-68 Perform low-cost safety improvements on US-68 (Glasgow Rd). MP 20.889 to MP 27.284 1,140,000 Asset Management - Bridge Condition 3-80151.00 CR-1350 Rehabilitate bridge over Barren River on Old Richardsville Rd (CR-1350). 650,000 Safety 3-80203.00 US-31W Improve mobility and reduce congestion on US-31W (Louisville Road) from Mizpah Road to Freeport Road. Construct a two-lane roundabout at the intersection of KY-101 and the I-65 southbound entrance and exit ramps in Smiths Grove. Widen the existing I-65 southbound exit ramp to two lanes and extend the beginning point of the ramp approximately five-hundred feet. TOTAL TIP FUNDING 115,530,279 Total Pavement Condition 161,0000 Total System Reliability 3,400,000	3-9020.00	US-68	Remove raised median and construct a left turn lane at Old Tram Road and US 68 (Russellville Rd).	100,000	_
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3-20016.00 I-65 Address pavement condition of I-65 both directions from MP 19.6 to 25.2. 14,850,000 Pavement Condition 3-20018.00 I-165 Address pavement condition of the Natcher Parkway both directions from MP 0 to 2.473. 2,200,000 Safety 3-9012.00 US-68 Perform low-cost safety improvements on US-68 (Glasgow Rd). MP 20.889 to MP 27.284 1,140,000 Asset Management - Bridge Condition 3-80151.00 CR-1350 Rehabilitate bridge over Barren River on Old Richardsville Rd (CR-1350). 650,000 Safety 3-80203.00 US-31W Improve mobility and reduce congestion on US-31W (Louisville Road) from Mizpah Road to Freeport Road. Construct a two-lane roundabout at the intersection of KY-101 and the I-65 southbound entrance and exit ramps in Smiths Grove. Widen the existing I-65 southbound exit ramp to two lanes and extend the beginning point of the ramp approximately five-hundred feet. TOTAL TIP FUNDING Total Safety Total Pavement Condition Total System Reliability Address pavement condition of I-65 both directions from MIP 19.6 to 25.2. 14,850,000 Pavement Condition 14,850,000 Asset Management - Bridge Condition Asset Management - Bridge Condition For I-140,000 Asset Management - Bridge Condition 14,850,000 Safety Asset Management - Bridge Condition 5-65 (Glasgow Rd). MP 20.889 to MP 27.284 1,140,000 Asset Management - Bridge Condition 14,850,000 Safety Asset Management - Bridge Condition 4,000,000 Safety 5-65 (Glasgow Rd). MP 20.889 to MP 27.284 1,140,000 Asset Management - Bridge Condition 14,000 Asset Management - Bridge Condition 15,530,279 April 15,530,279 15,530,279 April 15,530,279 15,530,279 April 16,100,000 16,100,000 April 16,100,000	3-10015.00	KY-1435	Address deficiencies of KY-1435 bridge over Gasper River. MP 9.445 to 9.481	1,250,000	_
3-9012.00 US-68 Perform low-cost safety improvements on US-68 (Glasgow Rd). MP 20.889 to MP 27.284 1,140,000 Asset Management - Bridge Condition 3-80151.00 CR-1350 Rehabilitate bridge over Barren River on Old Richardsville Rd (CR-1350). 650,000 Safety 3-80203.00 US-31W Improve mobility and reduce congestion on US-31W (Louisville Road) from Mizpah Road to Freeport Road. Construct a two-lane roundabout at the intersection of KY-101 and the I-65 southbound entrance and exit ramps in Smiths Grove. Widen the existing I-65 southbound exit ramp to two lanes and extend the beginning point of the ramp approximately five-hundred feet. TOTAL TIP FUNDING Total Safety Total Pavement Condition Total System Reliability 3,400,000 Total System Reliability	3-20016.00	I-65	Address pavement condition of I-65 both directions from MP 19.6 to 25.2.	14,850,000	
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3-80203.00 US-31W Improve mobility and reduce congestion on US-31W (Louisville Road) from Mizpah Road to Freeport Road. 3-80214.00 I-65 Construct a two-lane roundabout at the intersection of KY-101 and the I-65 southbound entrance and exit ramps in Smiths Grove. Widen the existing I-65 southbound exit ramp to two lanes and extend the beginning point of the ramp approximately five-hundred feet. TOTAL TIP FUNDING Total Safety Total Pavement Condition Total System Reliability 115,530,279 16,100,000 16,100,000 17,000 18,000,000	3-9012.00	US-68	Perform low-cost safety improvements on US-68 (Glasgow Rd). MP 20.889 to MP 27.284	1,140,000	_
Road. Construct a two-lane roundabout at the intersection of KY-101 and the I-65 southbound entrance and exit ramps in Smiths Grove. Widen the existing I-65 southbound exit ramp to two lanes and extend the beginning point of the ramp approximately five-hundred feet. TOTAL TIP FUNDING Total Safety Total Pavement Condition Total System Reliability Road. 4,000,000 Safety Safety 115,530,279 95,078,279 16,100,000 16,100,000 3,400,000	3-80151.00	CR-1350	Rehabilitate bridge over Barren River on Old Richardsville Rd (CR-1350).	650,000	Safety
3-80214.00 l-65 ramps in Smiths Grove. Widen the existing I-65 southbound exit ramp to two lanes and extend the beginning point of the ramp approximately five-hundred feet. TOTAL TIP FUNDING Total Safety Total Pavement Condition Total System Reliability Total System Reliability Safety Safety Safety 115,530,279 95,078,279 16,100,000 3,400,000	3-80203.00	US-31W		4,000,000	Safety
Total Safety 95,078,279 Total Pavement Condition 16,100,000 Total System Reliability 3,400,000	3-80214.00	I-65	ramps in Smiths Grove. Widen the existing I-65 southbound exit ramp to two lanes and extend the	750,000	Safety
Total Safety 95,078,279 Total Pavement Condition 16,100,000 Total System Reliability 3,400,000	TOTAL TID ELINDING			115 520 270	
Total System Reliability 3,400,000	Total Safety			95,078,279	