

**Bowling Green – Warren County
Metropolitan Planning Organization**

**FY 2019-24 Transportation Improvement Program (TIP)
Administrative Modification #14**

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 a highway safety improvement project to install pavement markers on various routes in Warren County.

ITEM #s: 3-935

DESCRIPTION: Installation of pavement markers on various routes in Warren County.

SCOPE OF WORK: Safety Improvements

ROUTE: US 31W, KY 234

PHASE: C

FY: 2022

FUND TYPE: HSIP

AMOUNT: \$51,355

Other Information: This TIP Modification adds specific funding levels for Highway Safety Improvement Projects (HSIP) projects in *Table 2 (Summary of Funding)* of the TIP and adds the listed project to *Table 4 (Federally Funded Projects)*. 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

Coordinator

Bowling Green-Warren County MPO

5/10/2022

Date

TABLE 2 SUMMARY OF HIGHWAY FUNDING TYPES							
FISCAL YEAR		FUNDING TYPE					TOTAL
		NH	HSIP	STP	TAP	RTP	
2019	Est. Cost	\$ 800,000	\$ 590,000	\$ 7,550,000	\$ 2,158,924		\$ 11,098,924
	Revenue	\$ 800,000	\$ 590,000	\$ 7,550,000	\$ 2,158,924		\$ 11,098,924
2020	Est. Cost	\$ -	\$ 3,812,000	\$ 1,550,000			\$ 5,362,000
	Revenue	\$ -	\$ 3,812,000	\$ 1,550,000			\$ 5,362,000
2021	Est. Cost	\$ 29,050,000	\$ 3,900,000	\$ 38,315,000			\$ 71,265,000
	Revenue	\$ 29,050,000	\$ 3,900,000	\$ 38,315,000			\$ 71,265,000
2022	Est. Cost	\$ 28,690,000	\$ 601,355	\$ 4,585,100		\$ 31,250	\$ 33,907,705
	Revenue	\$ 28,690,000	\$ 601,355	\$ 4,585,100		\$ 31,250	\$ 33,907,705
2023	Est. Cost	\$ 13,500,000		\$ 6,000,000	\$ 1,650,000		\$ 21,181,250
	Revenue	\$ 13,500,000		\$ 6,000,000	\$ 1,650,000		\$ 21,150,000
2024	Est. Cost	\$ -		\$ 440,000			\$ 440,000
	Revenue			\$ 440,000			\$ 440,000
TOTAL	Est. Cost	\$ 72,040,000	\$ 8,903,355	\$ 58,440,100	\$ 3,808,924	\$ 31,250	\$ 143,223,629
	Revenue	\$ 72,040,000	\$ 8,903,355	\$ 58,440,100	\$ 3,808,924	\$ 31,250	\$ 143,223,629

TABLE 4 FEDERALLY FUNDED TRANSPORTATION PROJECTS							
KYTC ID	ROUTE	LENGTH	PROJECT DESCRIPTION	FUND TYPE	YEAR	PHASE	TOTAL PHASE COST
3-935	US 31W	2.98	Installation of pavement markers on various routes in Warren County.	HSIP	2022	C	\$ 51,355
	KY 234	1.91					
TOTAL FUNDING FOR ALL TIP PROJECTS							\$144,223,529

*MTP Table 6.1 (Short-Range Transportation Projects)

**MTP Table 6.4 (Grouped Projects)

Federally Funded Transportation Projects									
Bowling Green-Warren County MPO TIP (FY2019-2024)									
KYTC ID	Route	Length	Project Description						
3-935	US 31W	2.98	Installation of pavement markers on various routes in Warren County.						
	KY 234	1.91							
Fund Type	Phase	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Future	Total Funding
HSIP	C				\$ 51,355				\$ 51,355
TOTAL									\$ 51,355

TABLE 9 | PROJECTS CONTRIBUTING TO THE ACHIEVEMENT OF HIGHWAY PERFORMANCE TARGETS

KYTC ID	Route	Project Description	Total Phase Cost	Performance Measure
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	\$ 10,910,000	Safety
3-110.4	KY-185	Improve KY-185 from 0.22 miles north of Austin Raymer Rd to 0.08 miles south of the Ivy Creek bridge.	\$ 4,965,000	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
3-199.99	US-31W	Construct a pedestrian underpass under US-31W connecting Buchanon Park trail to Chaney's Dairy Barn.	\$ 450,000	Safety
3-933.00	US-31W	Installation of an Intersection Conflict Warning System and minor access management improvements at the intersection of US 31W (Nashville Rd) and KY 240 (Woodburn Allen Springs Rd / Petros Rd).	\$ 150,000	Safety
3-935	US-31W KY-234	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	I-165	I-65 spur corridor: Improve the Natcher Parkway/US-231 interchange (Exit 9) on the west side of Bowling Green. (See 3-202 for Design)	\$ 8,400,000	Safety
3-3205.00	GW	Funding for this project will pay for construction of a new greenway path connecting Moss Middle School to an existing greenway on Creekwood Drive. The project will include a bridge over Jennings Creek, lighting, benches and a trailhead marker.	\$ 175,000	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
3-3219.00	GW	Funding will pay for the City of Bowling Green to maintain/improve sidewalks and/or provide ADA compliance on state-maintained roadways	\$ 846,483	Safety
3-4307.0	KY-234	Install guardrail on KY-234 (Cemetery Rd).	\$ 25,000	Safety
3-8702.00	US-231	Improve US-231 (Scottsville Road) from Pascoe Blvd to north of Cave Mill Road.	\$ 3,400,000	Safety
03-8707	WN-9007	Construct a new interchange on I-165 (Natcher Parkway) at Elrod Road in Bowling Green (MP 3.4 - MP 4.0).	\$ 43,190,000	System Reliability
3-8857.00	US-31W	Improve US-31W from Campbell Lane (US-231) to University Boulevard (US-231X).	\$ 12,100,000	Safety
3-8904.10	US-31W	Widen US-31W from Park Avenue to Fairview Avenue (MP 13.7 - 14.25).	\$ 8,550,000	Safety
3-8905.00	US-31W	Improve mobility and reduce congestion on US-31W from US-68 to Mizpah Road.	\$ 7,850,000	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 (Scottsville Rd) from MP 3.0 to 6.6.	\$ 400,000	Safety
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	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 - Bridge 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	Asset Management - Pavement Condition
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	Safety
3-80151.00	CR-1350	Rehabilitate bridge over Barren River on Old Richardsville Rd (CR-1350).	\$ 650,000	Asset Management - Bridge Condition
TOTAL TIP FUNDING			\$ 137,780,279	
Total Safety			\$ 75,691,634	
Total Pavement Condition			\$ 17,050,000	
Total System Reliability			\$ 43,190,000	
Total Bridge Condition			\$ 1,900,000	