

# KENTUCKY

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

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### ADMINISTRATIVE MODIFICATION #2021.187

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#### **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 Rigney      5/12/2023  
Kentucky Transportation Cabinet      Date  
Ronald B. Rigney, Director  
Division of Program Management

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

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**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

PHASE: C

FY: 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

5/11/2023

Date

| TABLE 2   SUMMARY OF HIGHWAY FUNDING TYPES |           |               |               |               |              |           |           |                |
|--|-----------|---------------|---------------|---------------|--------------|-----------|-----------|----------------|
| FISCAL YEAR                                |           | FUNDING TYPE  |               |               |              |           |           | TOTAL          |
|  |           | NH            | HSIP          | STP           | TAP          | RTP       | GR        |                |
| 2019                                       | Est. Cost | \$ 800,000    | \$ 590,000    | \$ -          | \$ 2,158,924 |           |           | \$ 3,548,924   |
|  | Revenue   | \$ 800,000    | \$ 590,000    | \$ -          | \$ 2,158,924 |           |           | \$ 3,548,924   |
| 2020                                       | Est. Cost |               | \$ 3,812,000  | \$ -          |              |           |           | \$ 3,812,000   |
|  | Revenue   |               | \$ 3,812,000  | \$ -          |              |           |           | \$ 3,812,000   |
| 2021                                       | Est. Cost | \$ 29,050,000 | \$ 3,900,000  | \$ 13,590,000 |              |           |           | \$ 46,540,000  |
|  | 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  |
|  | 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 | TOTAL PHASE COST (\$) |
| 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 | C     | 288,000               |
| <b>TOTAL FUNDING FOR ALL TIP PROJECTS</b>          |        |        |   |           |      |       | <b>120,973,529</b>    |

| Federally Funded Transportation Projects          |        |         |   |         |         |            |         |        |                   |
|---|--------|---------|---|---------|---------|------------|---------|--------|-------------------|
| Bowling Green-Warren County MPO TIP (FY2019-2024) |        |         |   |         |         |            |         |        |                   |
| KYTC ID   | Route  | Length  | Project Description   |         |         |            |         |        |                   |
| 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 County. |         |         |            |         |        |                   |
| Fund Type   | Phase  | FY 2019 | FY 2020   | FY 2021 | FY 2022 | FY 2023    | FY 2024 | Future | Total Funding     |
| HSIP  | C      |         |   |         |         | \$ 288,000 |         |        | \$ 288,000        |
| <b>TOTAL</b>                                      |        |         |   |         |         |            |         |        | <b>\$ 288,000</b> |

| 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  | 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                                |
| 3-166.00  | US-68            | Construct left and right turn lanes from US 68/KY 80 onto Fred Madison Road at approximately the 17.1 milepoint.   | 1,775,000          | 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<br>KY-234 | Installation of pavement markers on various routes in Warren County.   | 51,355             | Safety                                |
| 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                                |
| 3-937.00  | US-231           | Installation of high friction surface treatment on US 231 from MP 22.00 to MP 22.60 in Warren  | 288,000            | Safety                                |
| 3-3018.00   | 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  | 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          | System Reliability                    |
| 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         | 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 (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            | 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                                |
| 3-9012.00   | 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                                |
| 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. | 750,000            | Safety                                |
| <b>TOTAL TIP FUNDING</b>  |                  |  | <b>115,530,279</b> |                                       |
| <b>Total Safety</b>   |                  |  | <b>95,078,279</b>  |                                       |
| <b>Total Pavement Condition</b>   |                  |  | <b>16,100,000</b>  |                                       |
| <b>Total System Reliability</b>   |                  |  | <b>3,400,000</b>   |                                       |
| <b>Total Bridge Condition</b>   |                  |  | <b>1,240,000</b>   |                                       |