RESOLUTION ADOPTING THE SFY2021-SFY2024 TRANSPORTATION IMPROVEMENT PROGRAM

WHEREAS, the Miami Valley Regional Planning Commission is designated as the Metropolitan Planning Organization (MPO) by the Governor acting through the Ohio Department of Transportation in cooperation with locally elected officials for Greene, Miami and Montgomery Counties and the jurisdictions of Carlisle, Franklin, Springboro and Franklin Township in Warren County; and

WHEREAS, the MVRPC's Board of Directors serves as the policy and decision making body through which local governments guide the MPO's transportation planning process for the Dayton Metropolitan Area; and

WHEREAS, federal and state directives require that a Transportation Improvement Program (TIP) shall be developed and updated by Metropolitan Planning organizations in cooperation with (1) state and local officials; (2) regional and local transit operators; (3) grant recipients under Section 5307, Section 5310 or other sections of Title 49, U.S.C., and other affected transportation and regional planning and implementing agencies; and

WHEREAS, the SFY2021-2024 Transportation Improvement Program developed by the Miami Valley Regional Planning Commission (MVRPC), as the designated Metropolitan Planning Organization for the Dayton Metropolitan Area, is consistent with the 2040 Long Range Transportation Plan and its policies; and

WHEREAS, the SFY2021-2024 Transportation Improvement Program is fiscally constrained; and

WHEREAS, the SFY2021-2024 Transportation Improvement Program was developed consistent with MVPRC’s Public Participation Policy and has been reviewed and accepted by the Technical Advisory Committee and has been coordinated with regional and local transit operators and with adjacent transportation planning agencies (OKI and CCS-TCC) as well as local community officials; and

WHEREAS, the conformity process completed for Greene, Miami and Montgomery Counties in the Dayton/Springfield Air Quality Region meet the Clean Air Act and Transportation Conformity rule requirements for the 1997 ozone standard; and

WHEREAS, significant TIP projects in Franklin, Carlisle, Springboro and Franklin Township have been included in the regional emissions analysis for the Cincinnati Region and found to conform to the 2008 and 2015 8-hour ozone standards; and

WHEREAS, the MVRPC's SFY2021-2024 Transportation Improvement Program and 2040 Long Range Transportation Plan conformity determination is made consistent with the April 2012, U.S. EPA Transportation Conformity Regulations.
NOW THEREFORE BE IT RESOLVED THAT,

(1) MVRPC’s Board of Directors adopts the SFY2021-2024 Transportation Improvement Program.
(2) MVRPC’s Board of Directors hereby concurs with the advancement to SFY2021 of all delayed projects initially scheduled in SFY2020.
(3) MVRPC assures that the SFY2021-2024 Transportation Improvement Program and 2040 Long Range Transportation Plan contain no goals, directives, recommendations or projects which contradict any requirements or commitments of Ohio’s State Implementation Plan.

BY ACTION OF THE Miami Valley Regional Planning Commission’s Board of Directors.

Brian O. Martin, AICP
Executive Director

May 7, 2020
Date

Chris Mucher, Chairperson
Board of Directors of the
Miami Valley Regional Planning Commission
RESOLUTION OF SELF-CERTIFICATION OF THE
METROPOLITAN TRANSPORTATION PLANNING PROCESS

WHEREAS, the Miami Valley Regional Planning Commission is designated as the Metropolitan Planning Organization (MPO) for the Dayton Urbanized Area (Greene, Miami and Montgomery Counties and the jurisdictions of Carlisle, Franklin, Springboro and Franklin Township in Warren County) by the Governor of the State of Ohio, acting through the Ohio Department of Transportation, in cooperation with local elected officials for the Urbanized Area, and as evidenced in the Agreement of Cooperation, Number 32968 between ODOT and the MVRPC; and

WHEREAS, the federal regulations published as 23 CFR 450.336 requires MVRPC, as the MPO for the Dayton Urbanized area, to self-certify through its Board of Directors (MVRPC's policy board) in conjunction with the Transportation Improvement Program update, that the transportation planning process is addressing the major issues in the metropolitan planning area and is being conducted in accordance with the following applicable requirements:

(a) 23 U.S.C. 134, 49 U.S.C. 5303, and this subpart;
(b) In non-attainment and maintenance areas, sections 174 and 176 (c) and (d) of the Clean Air Act, as amended (42 U.S.C. 7504, 7506 (c) and (d)) and 40 CFR part 93;
(c) Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d-1) and 49 CFR part 21;
(d) 49 U.S.C. 5332, prohibiting discrimination on the basis of race, color, creed, national origin, sex, or age in employment or business opportunity;
(e) Section 1101(b) of the FAST Act (Pub. L. 114-357) and 49 CFR part 26 regarding the involvement of disadvantaged business enterprises in DOT funded projects;
(f) 23 CFR part 230, regarding the implementation of an equal employment opportunity program on Federal and Federal-aid highway construction contracts;
(g) The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) and 49 CFR parts 27, 37, and 38;
(h) The Older Americans Act, as amended (42 U.S.C. 6101), prohibiting discrimination on the basis of age in programs or activities receiving Federal financial assistance;
(i) Section 324 of title 23 U.S.C. regarding the prohibition of discrimination based on gender; and
(j) Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. 794) and 49 CFR part 27 regarding discrimination against individuals with disabilities.

NOW THEREFORE BE IT RESOLVED, that the Board of Directors of the Miami Valley Regional Planning Commission certifies that the Metropolitan Planning Organization’s metropolitan transportation planning process complies with the metropolitan planning requirements as set forth above.

BY ACTION OF THE Miami Valley Regional Planning Commission's Board of Directors.

______________________________   ________________________________
B r i a n  O .  M a r t i n ,  A I C P      C h r i s  M u c h e r ,  C h a i r p e r s o n
E x e c u t i v e  D i r e c t o r       B o a r d  o f  D i r e c t o r s  of the
M i a m i  V a l l e y Regional Planning Commission

May 7, 2020
This report is the product of a project financed in part by the U.S. Department of Transportation, Federal Transit Administration and by the Federal Highway Administration in cooperation with the Ohio Department of Transportation.

The contents of this report reflect the views of the Miami Valley Regional Planning Commission which is responsible for the facts and accuracy of the data presented herein. The contents do not necessarily reflect the official views or policies of the U.S. Department of Transportation.
TABLE OF CONTENTS

SECTION 1
SYNOPSIS ................................................................................................................................. 1

SECTION 2
INTRODUCTION

ORGANIZATION FOUNDATION ........................................................................................................ 2
PURPOSE ........................................................................................................................................ 2
REQUIREMENTS AND REGULATIONS ............................................................................................. 2
PLANNING BOUNDARIES ................................................................................................................. 2
FINANCIAL CAPACITY .................................................................................................................. 3
PUBLIC PARTICIPATION ................................................................................................................ 3
TIP ADA COMPLIANCE .................................................................................................................. 5
COMMUNITY IMPACT ASSESSMENT ............................................................................................. 5
TRANSPORTATION PERFORMANCE MANAGEMENT .................................................................... 8
OPERATION AND MAINTENANCE OF EXISTING TRANSPORTATION SYSTEM ......................... 10
AIR QUALITY .................................................................................................................................... 10
STATUS OF MAJOR PROJECTS IN SFY2018-2021 TIP .................................................................. 12
ANNUAL LISTING OF PROJECTS .................................................................................................. 12
CONGESTION MANAGEMENT PROCESS (CMP) ........................................................................... 12
TIP PRIORITIZATION PROCESS .................................................................................................... 12
CONSISTANCY/CONFORMANCE WITH LRTP AND SIP .............................................................. 13
CERTIFICATION OF THE METROPOLITAN PLANNING PROCESS .............................................. 15

SECTION 3
ACCOMPLISHMENTS ................................................................................................................. 16

2040 LRTP ACCOMPLISHMENTS .................................................................................................. 16
HIGHWAY ACCOMPLISHMENTS .................................................................................................. 16
TRANSIT ACCOMPLISHMENTS ..................................................................................................... 16
REVIEW OF SFY2018-2019 HIGHWAY EXPENDITURES .................................................................. 16
SFY2018-SFY2021 TIP STATUS .................................................................................................... 17
OPERATION/MAINTENANCE OF EXISTING TRANSPORTATION SYSTEM .................................... 17
ANNUAL LISTING OF PROJECTS .................................................................................................. 17

SECTION 4
THE HIGHWAY, BIKEWAY AND OTHER IMPROVEMENT PROGRAM

PLAN COORDINATION .................................................................................................................. 55
FEDERAL-AID SFY2021-2024 TRANSPORTATION IMPROVEMENT PROGRAM (HIGHWAY, BIKEWAYS AND OTHER) .................................................................................................................. 55
ADVANCE CONSTRUCTION ............................................................................................................ 56
FISCAL CONSTRAINT ....................................................................................................................... 163

SECTION 5
THE TRANSIT IMPROVEMENT PROGRAM

GREENE CATS TRANSIT PROJECTS ............................................................................................ 166
MIAMI COUNTY TRANSIT SERVICE PROJECTS ......................................................................... 168
GREATER DAYTON REGIONAL TRANSIT AUTHORITY (RTA) PROJECTS ................................... 170
SECTION 6
TRANSPORTATION SYSTEM MANAGEMENT

INTRODUCTION ........................................................................................................................................... 178
TSM PLANNING PROCESS ................................................................................................................. 178
TSM ACTIVITIES .............................................................................................................................. 179

SECTION 7
THE AIRPORT IMPROVEMENT PROGRAM ...................................................................................... 189

APPENDIX A
INTERAGENCY CONSULTATION DOCUMENTATION ........................................................................ 197
TABLE 2.1  DISTRIBUTIONS OF TIP PROJECTS WITH RESPECT TO TARGET POPULATIONS ................................................................. 6

TABLE 2.2  TRANSPORTATION PERFORMANCE MANAGEMENT ........................................................................................................ 9

TABLE 2.3  MVRPC TRANSPORTATION CONFORMITY REQUIREMENTS ................................................................................................. 11

TABLE 2.4  QUANTITATIVE CONFORMITY FINDINGS OF OZONE-FORMING EMISSIONS (TONS PER YEAR) FOR THE OHIO AND INDIANA PORTION OF THE MAINTENANCE AREA ........................................................................................................ 11

TABLE 2.5  TIP PROJECT CONSISTENCY WITH LRTP GOALS ..................................................................................................................... 15

TABLE 3.1A  LOCALLY FUNDED PROJECTS ACCOMPLISHED IN CY2018 ............................................................................................. 18

TABLE 3.1B  STATE AND OR FEDERALLY FUNDED PROJECTS ACCOMPLISHED IN CY2018 .................................................................... 25

TABLE 3.2A  LOCALLY FUNDED PROJECTS ACCOMPLISHED IN CY2019 ............................................................................................. 28

TABLE 3.2B  STATE AND OR FEDERALLY FUNDED PROJECTS ACCOMPLISHED IN CY2019 .................................................................... 35

TABLE 3.3A  SFY2018 HIGHWAY EXPENDITURES ................................................................................................................................. 39

TABLE 3.3B  SFY2019 HIGHWAY EXPENDITURES ................................................................................................................................. 39

TABLE 3.4  SFY2018-2021 TIP PROJECTS DELAYED INTO THE SFY2021-2024 TIP ................................................................................ 40

TABLE 3.5  OPERATION MAINTENANCE AND CAPITAL IMPROVEMENT EXPENDITURES FOR CY2018 AND CY2019 ................................................................................................................................. 41

TABLE 3.6  TIP PROJECTS OBLIGATED IN SFY2020 ................................................................................................................................. 50

TABLE 4.1  RECOMMENDED SFY2021-2024 TRANSPORTATION IMPROVEMENT PROGRAM – GREENE COUNTY (HIGHWAY, BIKEWAY AND OTHER PROJECTS) ................................................................................................................................. 59
TABLE 4.2
RECOMMENDED SFY2021-2024 TRANSPORTATION IMPROVEMENT PROGRAM – MIAMI COUNTY (HIGHWAY, BIKEWAY AND OTHER PROJECTS) ................................................................. 71

TABLE 4.3
RECOMMENDED SFY2021-2024 TRANSPORTATION IMPROVEMENT PROGRAM – MONTGOMERY COUNTY (HIGHWAY, BIKEWAY AND OTHER PROJECTS) ................................. 83

TABLE 4.4
RECOMMENDED SFY2021-2024 TRANSPORTATION IMPROVEMENT PROGRAM – WARREN COUNTY (HIGHWAY, BIKEWAY AND OTHER PROJECTS) ........................................ 125

TABLE 4.5
RECOMMENDED SFY2021-2024 TRANSPORTATION IMPROVEMENT PROGRAM - AREAWIDE/STATEWIDE PROJECTS AND MVRPC PLANNING STUDIES) ......................................................... 128

TABLE 4.6
DETAILED PROJECT INFORMATION FOR STATEWIDE LINE ITEM PROJECTS IN TABLE 4.5 .......................................................................................................................... 144

TABLE 4.7
MVRPC’S FUNDING PLAN ........................................................................................................ 164

TABLE 4.8
SUMMARY OF FEDERAL, STATE AND LOCAL USAGE FOR SFY2021-2024 .......................... 165

TABLE 5.1
SFY2021-2024 TIP – GREENE CATS TRANSIT SERVICE – OHIO TRANSPORTATION IMPROVEMENT PROGRAM TRANSIT SUMMARY SHEET ........................................ 167

TABLE 5.2
SFY2021-2024 TIP – MIAMI COUNTY TRANSIT SERVICE – OHIO TRANSPORTATION IMPROVEMENT PROGRAM TRANSIT SUMMARY SHEET ........................................ 169

TABLE 5.3
SFY2021-2024 TIP – GREATER DAYTON RTA – OHIO TRANSPORTATION IMPROVEMENT PROGRAM TRANSIT SUMMARY SHEET ......................................................... 173

TABLE 6.1
TRANSPORTATION SYSTEM MANAGEMENT ACTIVITIES IN CY2018-2019 ................................................................. 180

TABLE 6.2
ROADWAY-RELATED IMPROVEMENTS PROPOSED FOR CY2020-2021 ................................................................. 184

TABLE 7.1
AIRCRAFTS SERVING DAYTON INTERNATIONAL AIRPORT IN 2019 ................................. 190

TABLE 7.2
AIRLINE GROUPS SERVING THE REGION, ENPLANEMENTS AND PERCENTAGE OF MARKET SHARE ........................................................................................................ 191
TABLE 7.3
TOTAL PASSENGER ENPLANEMENTS DURING 2019.........................................................192

TABLE 7.4
ORIGIN AND DESTINATION MARKET RANK AND CURRENT SERVICE ........................194
MAPS

MAP 2.1
DISTRIBUTION OF TARGET POPULATIONS BY TAZ .............................................................. 7

MAP 4.1
SFY2021-SFY2024 TRANSPORTATION IMPROVEMENT PROGRAM -
GREENE COUNTY (HIGHWAYS, BIKEWAYS AND OTHERS) .............................................. 70

MAP 4.2
SFY2021-SFY2024 TRANSPORTATION IMPROVEMENT PROGRAM -
MIAMI COUNTY (HIGHWAYS, BIKEWAYS AND OTHERS) ..................................................... 82

MAP 4.3
SFY2021-SFY2024 TRANSPORTATION IMPROVEMENT PROGRAM –
MONTGOMERY COUNTY (HIGHWAYS, BIKEWAYS AND OTHERS). ....................................... 124

MAP 4.4
SFY2021-SFY2024 TRANSPORTATION IMPROVEMENT PROGRAM –
WARREN COUNTY (HIGHWAYS, BIKEWAYS AND OTHERS) ............................................... 127