

## **SECTION 6**

### **TRANSPORTATION SYSTEM MANAGEMENT AND OPERATIONS**

#### **INTRODUCTION**

In an effort to alleviate the pressures of increasing costs of maintaining and building transportation systems, communities are seeking better and less expensive ways of providing their citizens with efficient and safe transportation facilities. As a result, a planning process known as Transportation System Management (TSM) has become an important part of regional transportation planning. TSM is a planning approach designed to improve transportation systems by moving people and goods more efficiently and effectively. By improving the existing transportation system, it may be possible to reduce delay and/or eliminate the need to develop new expensive transportation facilities. Also, with increased concerns about energy consumption and air pollution, improving the existing transportation system is a viable method of addressing these issues.

As the Metropolitan Planning Organization for the Dayton Urbanized Area, the Miami Valley Regional Planning Commission (MVRPC) is responsible for the Transportation System Management planning process in Greene, Miami and Montgomery Counties and the jurisdictions of Carlisle, Franklin, Springboro and Franklin Township in Warren County. The Ohio Department of Transportation, the Greater Dayton Regional Transit Authority, Greene County Transit Board (Greene CATS), Miami County Transit, and officials and staff from local jurisdictions, citizens and the private sector aid the Commission in this planning process. This report summarizes TSM activities undertaken or completed in CY2021 and CY2022 and highlights TSM activities proposed for CY2023 and CY2024.

#### **TSM PLANNING PROCESS**

By implementing the TSM planning process, the transportation system within the region is looked at as a single entity. The planning process is then applied to this single entity in an effort to improve the efficiency and cost effectiveness of the total system through low cost improvements and strategies to reduce overall system demands.

Generally, there are three approaches to TSM planning. The first approach is low cost operation or spot improvements, which are designed to improve roadway efficiency and safety at specific problem locations. Examples of spot improvements are the addition of a turn lane at an intersection and improvements in traffic signalization.

The second approach is a corridor area access control study. This is a comprehensive analysis of transportation problems along roadway corridors like the US35 corridor in Greene County, which is experiencing rapid development. As a part of the TSM planning process, transportation problems are identified and solutions are generated to address them.

The third TSM planning approach involves Travel Demand Management (TDM) activities. These activities have regional impact and ease pressures on the entire transportation system by reducing vehicle trip demand, especially for commuting purposes. These activities involve reducing the use of single occupant vehicles and/or altering the time of travel to less congested time periods or locations. Such activities

include ridesharing, transit service improvements, bicycle improvements, pedestrian improvements, controlled growth and land use development, flexible work schedules, telecommuting, coordination among social services agencies and public transit systems.

### TSM ACTIVITIES

Usually, TSM improvements do not require great outlays of money and can be put into place within a short period of time. The desired result, then, is an improvement of traffic flow, ease of pedestrian movement and enhanced transit and bicycle travel. Since TSM improvements vary from highly visible intersection improvements to minor changes in traffic signal timing, some TSM improvements go unnoticed. These relatively unnoticeable changes are important parts of the TSM planning process.

During 2021 and 2022, area communities implemented a variety of TSM spot improvements. These projects are expected to result in decreased congestion, reduced overall vehicle delay, and improved safety.

Another MVRPC TSM planning emphasis is transportation demand reduction activities, which have regional impact and help improve the entire transportation system. Ridesharing is a TSM strategy that encourages the sharing of rides among people who live in the same general area and commute to similar destinations. MVRPC sponsors a program called RIDESHARE! that promotes and facilitates this activity.

Transit is another TSM strategy with regional impact. Greater Dayton Regional Transit Authority (GDRTA), Miami County Transit, and Greene County Transit Board (Greene CATS) conducted a wide range of TSM activities in 2021 and 2022 and plan for more for 2023 and 2024.

Table 6.1 is a listing of TSM improvements, which were completed or implemented in 2021 and 2022. The list is categorized by highway/bikeway, RIDESHARE and transit projects. Table 6.2 is a listing of proposed TSM improvements, which are to be implemented in 2023 or 2024. This table is also categorized by highway/bikeway, RIDESHARE and transit projects. Please note that the highway category also includes bicycle and pedestrian improvements.

TABLE 6.1  
TRANSPORTATION SYSTEM MANAGEMENT PROPOSED FOR CY2021 AND CY2022

RESPONSIBLE AGENCY	PROJECT	DESCRIPTION	FUNDING
<b>HIGHWAY / BIKEWAY IMPROVEMENT ACTIVITIES IN 2021/2022</b>			
Beavercreek	GRE036-01.26	Indian Ripple Rd. from Harbert Dr. to Grange Hall Rd. and from Marydale Dr. to Grange Hall Rd.-Construct an 8' wide sidepath along the north side of the road from Harbert Dr. to Grange Hall Rd. and a 5' wide sidewalk along the south side of the road from east of Marydale Dr. to Grange Hall Rd. New curb and gutter and storm sewer will also be installed along both sides of the road.	Fed./Non-Fed
Centerville	MOT048-04.28	SR 48 at Alex Bell Road-Replacement/relocation of mast arm poles for signal support and sign supports, advanced and improved detection, back plates and pedestrian access changes.	Fed./Non-Fed
Centerville	Royalwood/Red Coach Sidewalk Construction, Phase 3	Pedestrian improvements.	Non-Fed
Clayton	MOT049-06.41	SR 49 at Westbrook Road-Install new mast arm traffic signal. In addition, removal of pork chop island and installation of right turn lane on Westbrook Road.	Fed./Non-Fed
Dayton	MOT - East Second Street Cycle Track	East Second Street in Dayton from St. Clair Street to Webster Street-The project consists of adding a cycle track and pedestrian lighting.	Fed./Non-Fed
Dayton	Forest Avenue and West Riverview Avenue Intersection Improvements	Intersection improvement.	Non-Fed
Dayton	MOT - Gettysburg Walk	Along Gettysburg Avenue from Prison Road to Nicholas Road-Install sidewalk along the east side of South Gettysburg Avenue from Prison Road to 1812 S Gettysburg Ave and along the west side from Prison Road to Nicholas Road. The project will also remove the dedicated right turn lane from south bound Gettysburg Avenue to Prison Road.	Fed./Non-Fed
Dayton	MOT - Hillcrest Ave. Sidewalk, Ph.2	Hillcrest Avenue from Elsmere Avenue to Philadelphia Drive-Installation of sidewalks on the south side of the roadway.	Fed./Non-Fed

TABLE 6.1  
TRANSPORTATION SYSTEM MANAGEMENT PROPOSED FOR CY2021 AND CY2022

RESPONSIBLE AGENCY	PROJECT	DESCRIPTION	FUNDING
<b>HIGHWAY / BIKEWAY IMPROVEMENT ACTIVITIES IN 2021/2022</b>			
Dayton	MOT - Home Avenue Bikeway	Along South Broadway Street from West Third Street to Home Avenue, then along Home Avenue from South Broadway Street to James H. McGee Boulevard, then along Home Avenue from James H. McGee Boulevard to the US 35 overpass, then traveling west along the north side of US 35 to Frontage Street-Construction of bike lanes on Broadway Street and on Home Avenue. Placement of a sharrow on James H. McGee Boulevard to the US 35 overpass and then a path will be constructed under the US 35 overpass to Frontage Street. With the bike lanes curb bump outs will be placed at selected intersections to define the parking areas and for traffic calming.	Fed./Non-Fed
Dayton	MOT - Wolf Creek Bikepath	Along James H. McGee Boulevard from 300' south of Little Richmond Road to Little Richmond Road-The project will extend the Wolf Creek Bikepath from its current terminus 300' to Little Richmond Road. The project will connect the existing Wolf Creek Bikepath to the proposed Wolf Creek Trail along Wolf Creek Road. The current path ends into a 5' wide walk. The project would convert the northbound curb lane into a 10' asphalt path.	Fed./Non-Fed
Dayton	MOT - Wright Dunbar Bikeway	West Third Street from Bank Street to Williams Street-The project will construct a protected bike lane or cycle track along West Third Street from Horace Street to Williams Street and then a separated trail from Horace Street to Bank Street. The cycle track will convert the eastbound curb lane to a two way bike path separated from the vehicular traffic by a concrete curb. The bikeway will then change into a separated bike path behind the walk. Dashed green paint will be placed in the bikeway wherever the bike traffic and vehicular traffic cross.	Fed./Non-Fed

TABLE 6.1  
TRANSPORTATION SYSTEM MANAGEMENT PROPOSED FOR CY2021 AND CY2022

RESPONSIBLE AGENCY	PROJECT	DESCRIPTION	FUNDING
<b>HIGHWAY / BIKEWAY IMPROVEMENT ACTIVITIES IN 2021/2022</b>			
Fairborn	GRE001-01.83	Colonel Glenn Highway from University Boulevard to Old Yellow Springs Road-Installation of new sidewalk, pedestrian crossings with ADA compliant curb ramps, signal improvements, construction of retaining walls, and installation of lighting for pedestrian facilities. This project includes construction of PID 106312 which is Colonel Glenn Highway in Fairborn from the WCL to North Fairfield Road-Installation of a shared-use path, drainage infrastructure, decorative walls, gateway columns, street lighting, decorative lighting and landscaping.	Fed./Non-Fed
Fairborn	GRE502-00.00	Maple Avenue in Fairborn from Dayton-Yellow Springs Road to Doris Drive-Widening of the roadway to accommodate three traffic lanes and two bike lanes, milling and resurfacing, full depth pavement repairs where needed, new curb, gutter, and storm sewer system, and striping.	Fed./Non-Fed
Franklin	WAR - Franklin Signals, Phase 2	Riley Boulevard at E. Fourth Street, Riley Boulevard at E. Sixth Street and E. Sixth Street (SR 123) at Anderson Street-Reconstruction of 3 traffic signals with equipment conforming to current standards including vehicular detection and battery backup. The traffic signal operation will be managed by the City using proposed fiber optic interconnect cable communication.	Fed./Non-Fed
Kettering	MOT - County Line Road	County Line Road from East Dorothy Lane to Vale Drive-Widening to a five lane cross section, with two 12' through lanes in each direction and a 12' center left turn lane. The existing west side sidewalk will be replaced with a new 10' multi use trail for the full length of the corridor and connect to an existing trail north of the project corridor. The additional two lanes along with new curb & gutter, tree lawn and 5' sidewalk will be on the east side (Beavercreek side) extends to a five lane cross section at Willow Run Drive. To accommodate the widened roadway, the project will also require reconstruction of the traffic signal at Tonawanda Trail, extension of the existing culvert carrying an unnamed tributary of Little Beaver Creek, and relocation of catch basins and lighting along the east side of the corridor.	Fed./Non-Fed

TABLE 6.1  
TRANSPORTATION SYSTEM MANAGEMENT PROPOSED FOR CY2021 AND CY2022

RESPONSIBLE AGENCY	PROJECT	DESCRIPTION	FUNDING
<b>HIGHWAY / BIKEWAY IMPROVEMENT ACTIVITIES IN 2021/2022</b>			
Kettering	MOT - Hewitt Ave. Bikeway Connector	Bikeway connection of Iron Horse Trail to an existing asphalt path on east side of Bigger Road - Replacement of 5' wide sidewalk with a 10' wide multi-use path adjacent to Bigger Road and Whipp Road and bike route signage on Hewitt Avenue. Project also includes enhanced mid-block crosswalk on Bigger Road, plus related work.	Fed./Non-Fed
Montgomery County	Alex-Bell Road & Paragon Road Intersection Improvements	Adding eastbound left turn lane and ADA improvements.	Non-Fed
Montgomery County	MOT - Mad River/Alex-Bell Improvement	Mad River Road at Alex-Bell Road-Intersection improvement. Preferred alternative roundabout is being advanced. Includes federally funded early acquisition of ROW independent of the construction phase.	Fed./Non-Fed
Moraine	MOT - Dryden Road North Rehab	Dryden Road from Kreitzer Road to the Moraine NCL-This project includes the rehabilitation of approximately 7,200 feet of the existing five lanes of pavement. The failing pavement in the intersections of the northbound and southbound I-75 interchange ramps and the Arbor Blvd. will be completely rebuilt while the remaining asphalt surface will be milled, failing concrete base joints will be repaired and the entire project will be resurfaced. Sidewalks will be added to connect bus stops in the southern section of the corridor. The traffic signal at East River Road will be reconstructed.	Fed./Non-Fed
Piqua	MIA - Piqua SRTS Infrastructure FY22	At Washington Primary, Central Intermediate and Piqua Junior High Schools-Rehabilitation and replacement of sidewalk, improvements to signage, marked crosswalks and bike racks.	Fed./Non-Fed
Piqua	MIA036-11.56	US 36 from Scott Drive to Kienle Drive in Piqua-Upgrade signals at US 36 and Home Depot and US 36 and Kienle with polycarbonate heads, backplates, pedestrian features, and improved pavement markings. Upgrade ADA accommodations at both intersections and retime signals on US 36 between Scott and Kienle Drives.	Federal
Riverside	MOT - Woodman-Burkhardt Signal	Woodman Drive at Burkhardt Road-Upgrade traffic signal with mast arm poles, install black-plates, install left turn flashing arrow, advanced detection for all directions, install additional signal heads, implement leading pedestrian phase, with signal timing and pedestrian crossing improvement.	Fed./Non-Fed

TABLE 6.1  
TRANSPORTATION SYSTEM MANAGEMENT PROPOSED FOR CY2021 AND CY2022

RESPONSIBLE AGENCY	PROJECT	DESCRIPTION	FUNDING
<b>HIGHWAY / BIKEWAY IMPROVEMENT ACTIVITIES IN 2021/2022</b>			
Springboro	Clearcreek Park Bike Trail Connection	Integrating Clearcreek Park into the city's bike system with a multi-use trail connecting East Milo Beck Park to Community Park on the south side of Lower Springboro Road.	Non-Fed
Springboro	Tahlequah Trail Roadway Improvements	Reconstruction having curb & gutter, storm sewer and sidewalk.	Non-Fed
Springboro	Traffic Signal Improvement South Main Street (SR 741) and Mill Street	Complete traffic signal upgrades to include mast arms and video detection.	Non-Fed
Springboro	Traffic Signal Installation SR 741 and Sycamore Creek Drive	Complete traffic signal improvements to the intersection of SR 741 and Sycamore Creek Drive to provide safe travel for motorists and pedestrians.	Non-Fed
Springboro	WAR - Springboro Radar Detect FY21	SR 73 at Sharts Rd/Greenwood Ln, SR 73 at Pioneer Blvd, SR 73 at Clearcreek-Franklin Rd, SR 73 at Springwood Rd, SR 741 at SR 73, SR 741 at Lytle-Five Points Rd, SR 741 at Remick Blvd, and SR 741 at Pennyroyal Rd.-Installation of radar detection units to provide enhanced vehicle detection.	Federal
Tipp City	MIA571-15.03	SR 571 from First Street to 200' east of the Great Miami River Bikeway-Reconstruction and enhancement including installation of a 10' wide sidewalk on the north side of SR 571. The project will install new water lines, gas lines, electric lines and sliplining of sanitary lines, water & sewer laterals, new curbs, ADA truncated dome handicapped access ramps, street lights, restoration, sidewalk (south side of SR 571), trees, concrete pavers, benches, bike racks and waste receptacles. The project will also replace any loop detectors affected by the project.	Fed./Non-Fed
Troy	MIA - SR 41 Signal Interconnect	SR 41 from Marybill Drive to Dorset Road-Interconnect and upgrade traffic signals. This will include the communication backbone for the signals to operate in a closed loop system, the upgrade of controllers at Marybill and Dorset, mast arms at Marybill, and the installation of approach detention as needed.	Fed./Non-Fed
Vandalia	Northwoods Boulevard and Falls Drive Improvements	Roadway improvements and additional lane. Install traffic signal.	Non-Fed
Yellow Springs	GRE - Yellow Springs SRTS	West Limestone Street from Mills Lawn Elementary to Dayton Street-Install sidewalk.	Federal

TABLE 6.1  
TRANSPORTATION SYSTEM MANAGEMENT PROPOSED FOR CY2021 AND CY2022

<b>RIDESHARE IMPROVEMENTS / OZONE ACTION PROGRAM ACTIVITIES IN 2021/2022</b>			
MVRPC	MOT - Air Quality SFY2021	MVRPC SFY2021 Air Quality Program for Greene, Miami, and Montgomery Counties. Activities associated with air quality designations - Ozone and PM 2.5	Federal
MVRPC	MOT - Air Quality SFY2022	MVRPC SFY2022 Air Quality Program for Greene, Miami and Montgomery Counties. Activities associated with air quality designations - Ozone and PM2.5	Federal
MVRPC	MOT - Rideshare SFY2021	MVRPC SFY2021 Rideshare Program for Cli., Gre., Miami, Mot. and Pre. Counties. Match Commuters Interested in Carpooling to Work/School. Marketing & Outreach - Ridesharing, Bike, Bus & Walking.	Federal
MVRPC	MOT - Rideshare SFY2022	MVRPC SFY2022 Rideshare Program for Cli., Gre., Miami, Mot. and Pre. Counties. Match Commuters interested in Carpooling to Work/School. Marketing & Outreach- Ridesharing, Bike, Bus & Walking.	Federal
<b>TRANSIT RELATED IMPROVEMENT ACTIVITIES IN 2021/2022</b>			
GDRTA	GDRTA Service Area	5310 Transportation Program	Fed./Non-Fed
GDRTA	GDRTA Service Area	Agency Website Upgrade	Fed./Non-Fed
GDRTA	GDRTA Service Area	Community Planning and Zoning Workshop	Fed./Non-Fed
GDRTA	GDRTA Service Area	Expanded Connect On - Demand Service	Fed./Non-Fed
GDRTA	GDRTA Service Area	Fare Payment System - Upgrade Project	Fed./Non-Fed
GDRTA	GDRTA Service Area	Implemented Same Service, Seven Days a Week	Fed./Non-Fed
GDRTA	GDRTA Service Area	Member of Human Services Transportation Council and Greater	Fed./Non-Fed
Greene County Transit Board	Expanded Flex Route Service	Continued Peak, Evening, and Weekend Service	Fed./Non-Fed
Greene County Transit Board	Vehicle Purchase	Replaced 10 Accessible Vans	Fed./Non-Fed
Greene County Transit Board	Vehicle Purchase	Replaced 9 Light Transit Vehicles	Fed./Non-Fed
Miami County Transit	MCT Service Area	Service Efficiency and Expansion Planning	Fed./Non-Fed



TABLE 6.2  
TRANSPORTATION SYSTEM MANAGEMENT FOR CY2023 AND CY2024

RESPONSIBLE AGENCY	PROJECT	DESCRIPTION	FUNDING
<b>HIGHWAY / BIKEWAY IMPROVEMENT ACTIVITIES IN 2023/2024</b>			
Beavercreek	GRE - Kemp Road Sidewalks	Kemp Road from Grange Hall Road to Oxmoor Drive-Installation of an 8' wide sidepath along the north side of Kemp Road and a 5' wide sidewalk along the south side of Kemp Road. Along with the installation of pedestrian facilities, this project also includes the installation of curb and minor drainage improvements.	Fed./Non-Fed
Beavercreek	GRE001-01.07	Colonel Glenn Highway from National Road to Zink Road-Installation of decorative hardscape elements such as brick pavers, seating walls and lighting. These enhancements will be designed to match enhancements currently under construction along Colonel Glenn Highway to the east of Zink Road. This project also includes the replacement of deteriorated sections of sidewalk along this portion of the Colonel Glenn Highway corridor.	Fed./Non-Fed
Beavercreek	GRE025-03.85	Grange Hall Road from Summerfield Drive to Kemp Road-The existing two lane section will be widened to a three lane section. This will include one through lane in each direction and a two way left turn lane. Along with this widening an 8' sidepath along the west side and a 5' sidewalk along the east side of the roadway will be included with the project. This roadway will also be improved with curb and gutter and storm sewer throughout the project. The project will also evaluate the applicability of sharrows or other on-street signage/pavement markings during the design phase.	Fed./Non-Fed
Beavercreek	GRE048-01.27	Factory Road from Creekside Trail to Nutter Park-This project will widen the roadway to three lanes with curb, gutter, storm sewer, and sidewalks on both sides of the roadway. This project will connect into the widening work that is planned on Factory Road as a part of the US 35 Superstreet improvements. The proposed sidewalks will connect into the Creekside Trail bikeway, and a pedestrian refuge island is planned where the Creekside Trail crosses Factory Road.	Fed./Non-Fed
Bellbrook	GRE725-01.91	Franklin Street from just west of Little Sugarcreek Road to just west of West Street-Construction of curb, gutter and sidewalk along the south side of the street. Also, construction of a pedestrian mid-block crossing and modification of the bridge over Little Sugar Creek to accommodate the raised sidewalk.	Fed./Non-Fed
Centerville	2023 Traffic Signal Maintenance	Traffic signal improvements.	Non-Fed
Dayton	MOT - Germantown Street Bike Lanes	Germantown Street from the Great Miami River bridge to Euclid Avenue-Implement a road diet to reduce the through lanes from four lanes to two lanes with a double left turn lane and bike lanes. New pavement and pavement markings will be installed with improved crosswalk markings.	Fed./Non-Fed

TABLE 6.2  
TRANSPORTATION SYSTEM MANAGEMENT FOR CY2023 AND CY2024

RESPONSIBLE AGENCY	PROJECT	DESCRIPTION	FUNDING
<b>HIGHWAY / BIKEWAY IMPROVEMENT ACTIVITIES IN 2023/2024</b>			
Dayton	MOT - Great Miami River Trail Extension, Ph 2	Edwin C. Moses Boulevard to West River Road-Construction of bikepath extension.	Fed./Non-Fed
Dayton	MOT - Salem Avenue Bike Lanes	Salem Avenue from Grand Avenue to West Riverview Avenue-Construct two-way bike lane which will tie into the future West Riverview Bike Path.	Fed./Non-Fed
Dayton	MOT - Wayne Avenue Widening	Wayne Avenue from Wyoming Street to Waldo Avenue-Widening from four to five lanes resulting in a dedicated left turn lane. Also included are new curbs, sidewalks, and lights installed to enhance the pedestrian facilities.	Fed./Non-Fed
Dayton	MOT - West Riverview Bike Path	Along the levee on the west side of the Great Miami River from Monument Avenue to West Third Street-Construction of a bike path.	Fed./Non-Fed
Dayton	MOT - West Third Bikeway	West Third Street from northbound Robert Drive to Ludlow Street-Installation of a two-way in street cycle track in the south curb lane.	Fed./Non-Fed
Dayton	MOT - Xenia Avenue Bike Lanes & Ramps	Xenia Avenue from South Keowee Street to Linden Avenue-Install shared lane markings on Xenia Avenue from South Keowee Street to Allen Street, bike lanes from Allen Street to Highland Hills Avenue, eastbound bike lane and westbound shared lane markings from Highland Hills Avenue to Linden Avenue. A dedicated bike ramp will be constructed from Highland Hills Avenue to the Steve Whalen Blvd Bike Path. The project will also upgrade all curb ramps to be ADA compliant.	Fed./Non-Fed
Fairborn	GRE - Broad Street Enhancement, Ph. 2A	Broad Street from the Fairborn south corp. limit to Koogler Street-Resurfacing and narrowing of the roadway to provide wider sidewalks and a bike path. A road diet (4 lanes to 3 lanes) will be performed between Dayton Drive and Koogler Street. Decorative items like street trees, street lighting, and bike racks will be included.	Fed./Non-Fed
Franklin	WAR - Clear Creek Bikepath Connector	Along Clear Creek from the City of Springboro's Hazelwood Park to the City of Franklin Community Park-Construction of a 10' wide shared use path. A bridge will be utilized for the bikepath to cross Clear Creek just north of Hazelwood Park and the bikepath will cross under I-75 below the I-75 bridge crossing Clear Creek.	Fed./Non-Fed

TABLE 6.2  
TRANSPORTATION SYSTEM MANAGEMENT FOR CY2023 AND CY2024

RESPONSIBLE AGENCY	PROJECT	DESCRIPTION	FUNDING
<b>HIGHWAY / BIKEWAY IMPROVEMENT ACTIVITIES IN 2023/2024</b>			
Franklin	WAR123-28.55	SR 123 at Shotwell / Beal Road-Reconstruct Beal Road to eliminate skewed angle intersection and obtain 90 degree intersection with SR 123 opposite Shotwell Drive. Reconstruction of Beal Drive will add a left turn lane. The existing bridge on Beal Drive will need to be replaced to accommodate the road realignment and widening. Construct new traffic signal at the subject intersection. The traffic signal will have a pedestrian crossing with a pedestrian signal and emergency vehicle preemption.	Fed./Non-Fed
Kettering	MOT - East David Road Improvements	East David Road from Far Hills Avenue to Ackerman Boulevard-Resurfacing of asphalt pavement, reconstruction of the traffic signal at East David Road and Ackerman Boulevard, replacement of deteriorated concrete curb, median and drive approaches and non-compliant curb ramps. As part of the traffic signal reconstruction, the project will also include updating two school flashers. One flasher is located at the intersection of Ackerman Boulevard and East David Road and the other flasher is located approximately 800' south of the intersection on the east side of Ackerman Boulevard. The southern school flasher will also include the replacement of the pole and conduit/wiring to it. Also included is 310' of roadway improvements consisting of curb, storm sewer, completing the last missing link of sidewalk, widening an eastbound section of roadway to remove a pinch point for bicyclists.	Fed./Non-Fed
Kettering	MOT - Kettering Signals, Ph. 3	Ackerman Boulevard at Dorothy Lane, Marshall Road at Wilmington Pike, David Road at Wilmington Pike, Bigger Road at David Road, David Road at Marshall Road and Patterson Road at Rembrandt Boulevard-Complete reconstruction of six traffic signals, installation of new traffic surveillance cameras at each location, and relocation of the existing fiber optic signal interconnect cable underground. Street lights will be added to the traffic signal poles, pedestrian amenities will be upgraded.	Fed./Non-Fed
Kettering	MOT - West Stroop Sidewalk	North side of West Stroop Road from Overland Trail to Southmoor Circle NW-Construction of new sidewalk.	Fed./Non-Fed

TABLE 6.2  
TRANSPORTATION SYSTEM MANAGEMENT FOR CY2023 AND CY2024

RESPONSIBLE AGENCY	PROJECT	DESCRIPTION	FUNDING
<b>HIGHWAY / BIKEWAY IMPROVEMENT ACTIVITIES IN 2023/2024</b>			
Montgomery County	MOT - Lamme Road Improvement	Lamme Road from Alex-Bell Road to Bushwick Drive- Replacement of a functionally deficient 3-span bridge over Holes Creek with a wider structure that carries sidewalk on both sides. The traffic signal at Lamme Road and Alex-Bell Road will be replaced. Lamme Road will be resurfaced and re-stripped from Alex-Bell Road to Bushwick Drive. Through lanes will contain sharrows markings. Deteriorated curbing and sidewalk will be replaced on Lamme Road between Alex-Bell Road and the bridge, and on the north side of Alex-Bell Road on the east approach.	Fed./Non-Fed
Moraine	MOT741-08.61	SR 741 at Dorothy Lane-Traffic signal reconstruction.	Fed./Non-Fed
ODOT District-7	MOT - 75 - VAR - SLI-012	I-75 from the southbound exit to Neff Road to the northbound exit to Austin Boulevard-Install wrong way signs that use radar technology.	Federal
ODOT District-7	MOT048-01.02 - SLI-012	Intersection of SR 48 and Nutt Road/Hibberd Road-Install left turn lanes.	Fed./Non-Fed
ODOT District-7	MOT725-14.41	SR 725 at I-75-Convert the interchange to a diverging diamond (DDI), upgrade the traffic signal at Byers Road and install sidewalk along SR 725.	Fed./Non-Fed
ODOT District-8	GRE068-13.51	Intersection of US 68 and SR 235-Install roundabout.	Federal
Riverside	MOT - West Springfield Street Reconstruction	Springfield Street from Northcliff Street to Old Harshman Road-Resurfacing including the installation of curb, gutter, sidewalk, storm infrastructure, and lighting. Included in the project will be the alteration of the cross section from four traveling lanes to two lanes with center two-way left turn lane and addition of bicycle facilities. Access management will be improved by the closure and reconfiguration of roadway intersections at Northcliff Street and Norman Boulevard.	Fed./Non-Fed
Springboro	Traffic Signal Improvement on SR 73 and Park Drive	Complete traffic signal upgrades to include mast arms and video detection.	Non-Fed
Trotwood	MOT - Trotwood SRTS Infrastructure FY23	Bell Haven Elementary School-Crosswalk upgrades at various intersections. Infill sidewalk on Myron Drive at Annapolis Avenue. Curb ramp upgrades as needed.	Federal
Troy	MIA041-09.49	SR 41 from the west side of Ridge Avenue intersection to Market Street-Undertake safety improvements. Improvements under consideration include restriping Main Street (SR 41) between Market and Oxford from a 4 lane to 3 lane section to allow for deeper angled parking on one side of the street, reconstruction of Main Street between Adams and Ridge to provide at least one 12' through lane in each direction, provision of a westbound right turn lane at Elm, signal upgrades and removals as appropriate, and reconstruction of sidewalk/curb lawn as needed.	Fed./Non-Fed

TABLE 6.2  
TRANSPORTATION SYSTEM MANAGEMENT FOR CY2023 AND CY2024

RESPONSIBLE AGENCY	PROJECT	DESCRIPTION	FUNDING
<b>HIGHWAY / BIKEWAY IMPROVEMENT ACTIVITIES IN 2023/2024</b>			
Troy	MIA041-10.32	West Main Street from Ridge Avenue to I-75-Widening of the street to include at least one 12' through lane in each direction, reconstructing the sidewalk, considering safety upgrades, and upgrading the signal at Dorset Road intersection.	Fed./Non-Fed
Vandalia	MOT075-22.92	Intersection of I-75 southbound exit ramp and Northwoods Boulevard-Install a new traffic signal to mitigate congestion and improve traffic operation.	Non-Fed
Warren County	WAR073-03.66	SR 73 at I-75-Improvements to the interchange including dual left turn lanes to the SB entrance ramp, right turn lane on the NB exit ramp, side mounted signal heads on the SB exit ramp, right turn lane to Sharts Drive and a multiuse path along the south side of SR 73 to Conover Drive.	Fed./Non-Fed
Warren County	WAR741-17.21 - SLI-012	SR 741 at Remick Boulevard-Install a northbound right turn lane, install new signal and retime the signal.	Federal
<b>RIDESHARE IMPROVEMENTS / OZONE ACTION PROGRAM ACTIVITIES IN 2023/2024</b>			
MVRPC	MOT - Air Quality SFY2023	MVRPC SFY2023 Air Quality Program for Greene, Miami, and Montgomery Counties. Activities associated with air quality designations - Ozone and PM 2.5	Federal
MVRPC	MOT - Air Quality SFY2024	MVRPC SFY2024 Air Quality Program for Greene, Miami and Montgomery Counties. Activities associated with air quality designations - Ozone and PM2.5	Federal
MVRPC	MOT - Rideshare SFY2023	MVRPC SFY2023 Rideshare Program for Cli., Gre., Miami, Mot. and Pre. Counties. Match Commuters Interested in Carpooling to Work/School. Marketing & Outreach - Ridesharing, Bike, Bus & Walking.	Federal
MVRPC	MOT - Rideshare SFY2024	MVRPC SFY2024 Rideshare Program for Cli., Gre., Miami, Mot. and Pre. Counties. Match Commuters interested in Carpooling to Work/School. Marketing & Outreach-Ridesharing, Bike, Bus & Walking.	Federal
RESPONSIBLE AGENCY	PROJECT	DESCRIPTION	FUNDING
<b>TRANSIT RELATED IMPROVEMENT ACTIVITIES IN 2023/2024</b>			
GDRTA	GDRTA Service Area	5310 Transportation Program	Fed./Non-Fed
GDRTA	GDRTA Service Area	Agency Website Upgrade	Fed./Non-Fed
GDRTA	GDRTA Service Area	Community Planning and Zoning Workshop	Fed./Non-Fed
GDRTA	GDRTA Service Area	Expanded Connect On - Demand Service	Fed./Non-Fed
GDRTA	GDRTA Service Area	Fare Payment System - Upgrade Project	Fed./Non-Fed
GDRTA	GDRTA Service Area	Implemented Same Service, Seven Days a Week	Fed./Non-Fed
GDRTA	GDRTA Service Area	Member of Human Services Transportation Council and Greater	Fed./Non-Fed
Greene County Transit Board	Expanded Flex Route Service	Continued Peak, Evening, and Weekend Service	Fed./Non-Fed
Greene County Transit Board	Vehicle Purchase	Replaced 10 Accessible Vans	Fed./Non-Fed
Greene County Transit Board	Vehicle Purchase	Replaced 9 Light Transit Vehicles	Fed./Non-Fed
Miami County Transit	MCT Service Area	Service Efficiency and Expansion Planning	Fed./Non-Fed