

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, Montgomery, and Carlisle, Franklin, and Springboro in Warren Counties. 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 CY2013 and CY2014 and highlights TSM activities proposed for CY2015 and CY2016.

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 2013 and 2014, 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 2013 and 2014 and plan for more for 2015 and 2016.

Table 6.1 is a listing of TSM improvements, which were completed or implemented in 2013 and 2014. 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 2015 or 2016. 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 FOR CY2013 AND CY2014

RESPONSIBLE AGENCY	PROJECT	DESCRIPTION	FUNDING
HIGHWAY / BIKEWAY IMPROVEMENT ACTIVITIES IN 2013/2014			
Beavercreek	GRE - Beavercreek Signals, Phase 2	N. Fairfield Road from Lantz Road to I-675; Pentagon Blvd/New Germany-Trebein Road from Royal Gateway to Lillian Lane; Colonel Glenn Highway from Signal Hill Drive to Presidential Drive and Grange Hall Road from Pentagon Blvd. to Colonel Glenn Highway; Dayton-Xenia Road from Research Park Drive to Wildonna Drive-Installation of fiber optic cable. Project also includes connection of 17 intersections to the closed-loop system, installation of cameras, signal head and pedestrian head upgrades to LED, curb ramp upgrades, and the installation of battery backup systems at selected intersections.	Fed./Non-Fed
Beavercreek	GRE - Factory Road	Factory Road from Nutter Park entrance to Dayton-Xenia Road-Improve sight distance of intersection of Factory Road and Richmar Drive; widen to three lanes from Nutter Park entrance to Dayton-Xenia Road.	Fed./Non-Fed
Beavercreek	GRE - New Germany Trebein Road	New Germany Trebein Road from Golf Course Drive to 0.13 miles east of Wyndham Drive-Reconstruction to correct the existing substandard pavement width and to improve sight distance by widening to three lanes.	Fed./Non-Fed
Beavercreek	GRE035-04.51	US 35 at Factory Road-Install new signal with backplates and dilemma zone protection.	Federal
Dayton	MOT - D07 SRTS Fairview School	Fairview School in Dayton-Add sidewalks, lit pathways, upgrade and add new crosswalks and a bike rack.	Federal
Dayton	MOT - SE Bikeway Corridor	Sewer access road from UD parking lot to Jane Newcome Park-Construct a 10' asphalt multi-use trail.	Fed./Non-Fed
Dayton	MOT - Steve Whalen Bikepath	Steve Whalen Blvd. from Hamilton Street to Wyoming Street-Construct a bike path along the east side of Steve Whalen Blvd., complete the curb and sidewalk along the west side of the street, including ADA compliant ramps.	Fed./Non-Fed
Dayton	MOT - Wayne Avenue	Wayne Avenue from Third Street to US 35-Add sidewalks, curbs, landscaping, street lighting and other amenities.	Fed./Non-Fed
Dayton	MOT - West Fifth Street Bike Ramps	SE and SW corners of W. 5th St. bridge over the Great Miami River-Construct two bikepath ramps from the city streets to the Great Miami River Trail.	Fed./Non-Fed
Fairborn	GRE - Broad St. Signal Interconnect	Broad Street from Dayton Drive to Highview Drive-Interconnect 6 existing signalized intersections with fiber optic cable, replace outdated non-standard signal infrastructure, a construct missing sidewalk.	Fed./Non-Fed

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RESPONSIBLE AGENCY	PROJECT	DESCRIPTION	FUNDING
HIGHWAY / BIKEWAY IMPROVEMENT ACTIVITIES IN 2013/2014			
Fairborn	GRE - Fairborn Central Ave. Signals	Central Avenue in Fairborn from Ohio Street to Broad Street-Install a traffic responsive closed-loop system consisting of new controllers, new system software, LEDs and radio interconnect. The Central Avenue Corridor consists of six traffic signals.	Fed./Non-Fed
Fairborn	Maple Avenue / Xenia Drive Signal Upgrade	Signal improvement.	Non-Fed
Greene County Parks	GRE - Bikeway Rehabilitation	Various sections of the LMR Scenic Trail, Xenia-Jamestown Connector, Creekside Trail and Wright Brothers Huffman Prairie Bikeway-Resurfacing of LMR Scenic Trail with 2" of asphalt pavement from Church Street to Yellow Springs-Fairfield Road and from Xenia Station to Hedges Road. For the other bikeways, crack filling, sealcoating and spot repair of thermoplastic and repair failing section of Creekside Trail at Hawkins Road.	Fed./Non-Fed
Huber Heights	MOT - Old Troy Pike	SR 202 from 600' north of Shull Road to Gibson Road-Widening of roadway to match the previous phases by adding thru lanes, including sidewalks on both sides, handicap ramps, storm sewers, street lighting, and traffic signal installation.	Fed./Non-Fed
Kettering	MOT - East Stroop Road	Stroop Road from Shroyer Road to the junction of Southmoor Circle in Kettering-Sidewalk and street lighting, decorative pedestrian lighting and improved pedestrian crossing.	Fed./Non-Fed
Kettering	MOT - SE Corridor Trail Bikepath	From Jane Newcom Park to Hempstead Station Drive-Construct bikepaths in Kettering.	Fed./Non-Fed
Kettering	MOT - Stroop/Shroyer	East Stroop Road from the east side of Shroyer Road intersection to the west side of the Royal Oak Drive intersection-Streetscape project to include rebuilding and widening existing sidewalks, new sidewalks where missing, installation of decorative pedestrian lighting and landscaping.	Fed./Non-Fed
Kettering	MOT - Woodman/Dorothy Lane	At the intersection of Woodman Drive and Dorothy Lane in Kettering-Reconstruction and improvements to the intersection including total pavement replacement including curb, replace and repair sidewalk and replace the traffic signal and place the overhead fiber optic system underground along the project.	Fed./Non-Fed

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RESPONSIBLE AGENCY	PROJECT	DESCRIPTION	FUNDING
HIGHWAY / BIKEWAY IMPROVEMENT ACTIVITIES IN 2013/2014			
Miami Co. Park Dist.	MIA - Great Miami Bridge Connection	In Staunton and Washington Townships in Miami County, approximately 1,600 ft. south of Peterson Road-Construct a 14 ft. wide bikeway/pedestrian bridge over the Great Miami River and a segment of bikeway running north on the east side of the river to connect sections five and six in Miami County's trail system.	Fed./Non-Fed
Montgomery Co. TID	MOT - Miami Twp. Trail	Along Austin Road in Montgomery County-Construction of bike/pedestrian trail that will originate along Austin Pike, north of the Dayton-Wright Brothers Airport and proceed northwesterly toward and thru Waldruhe Park. From SR 741, the trail will proceed north on the eastern side of SR 741, connecting with an existing trail.	Fed./Non-Fed
Montgomery County	MOT166-07.03	Austin Pike from Washington Church Road to Yankee Street-Widen Austin Pike from two to five lanes, widen a bridge in the project area. A recreational trail will be constructed on one side of Austin Pike. A new traffic signal and lighting is included.	Fed./Non-Fed
ODOT District-7	MIA075-16.20/16.35	I-75 from approximately just north of Statler Road, north to approximately just north of East Ash Street-Remove and replace four deficient bridges and widen bridges to accommodate six lanes.	Fed./Non-Fed
ODOT District-7	MOT048-16.21	SR 48 from Waverly Ave./Wampler Ave. to Westbrook Rd./Dog Leg Rd.-Signal system upgrade.	Fed./Non-Fed
ODOT District-7	MOT070-03.34	Interchange of I-70 and Brookville-Arlington Road-Install new traffic signal.	Federal
ODOT District-7	MOT741-03.15	SR741 at Prestige Plaza/Mall Drive (SLM 3.15 to SLM 3.70)-Reconfigure section of SR741; remove traffic signal at SR741 & Mall Drive 5/Prestige Plaza; and upgrade traffic signal at SR741 & Mall Drive 6. Also, demolition of the Goodyear Building at Mall Drive 6.	Fed./Non-Fed
ODOT District-8	GRE - Sugarcreek TWP SRTS	Along Feedwire Road from the Bellbrook Middle School to Upper Bellbrook Road-Construct a shared use path, signal upgrade at Upper Bellbrook/Feedwire intersection, crosswalk improvements at the Bellbrook Middle School drive.	Federal

TABLE 6.1
TRANSPORTATION SYSTEM MANAGEMENT FOR CY2013 AND CY2014

RESPONSIBLE AGENCY	PROJECT	DESCRIPTION	FUNDING
HIGHWAY / BIKEWAY IMPROVEMENT ACTIVITIES IN 2013/2014			
Piqua	MIA025-18.31	CR25A from Country Club Road to Looney Road-Widening roadway from 2 to 4 lanes, create an urban cross section with curb and gutter, sidewalk on both sides.	Fed./Non-Fed
Piqua	MIA036-10.00	Intersections of College St./Covington Ave., College St./Water St. and College St./High St. in Piqua-Convert operation of signals from pre-timed to actuated, coordinate signal operations and install preemption system.	Fed./Non-Fed
Springboro	West Central Avenue Roadway Widening	Construction of 4 ft. wide pavement and 2 ft. wide shoulder for bike lane.	Non-Fed
Tipp City	CR 25A Right Turn Drop Lane to Donn Davis V	Add a right turn drop lane.	Non-Fed
Tipp City	South Third Street Reconstruction Project	Reconstruct roadway base, pavement, new curb and gutter, new walk.	Non-Fed
Troy	MIA - SR 41 Signal Upgrade	SR 41 (Main Street) in Troy from I-75 North to the signal at Meijer-Install communications backbone to allow the traffic signals to operate as a closed loop system; upgrade old traffic signal controllers; install system and intersection approach detection where necessary.	Fed./Non-Fed
Troy	SR 41 Signal Interconnection	Signal improvement.	Non-Fed
Troy	SR 55 / Barnhart Traffic Signal	Install new traffic signal.	Non-Fed
West Carrollton	MOT - Central Avenue/East Dixie Drive	Central Avenue and Dixie Drive from Miami Avenue thru Alex Bell Road-Replace traffic signal system including 7 intersections.	Fed./Non-Fed
West Milton	MIA - D07 SRTS West Milton Infrastructure	Village of West Milton, Haskett and Hamilton Streets-Installation of new sidewalks.	Federal
Xenia	GRE - Xenia-Jamestown Connector Bikeway Tunnel	US 35 Bypass at Xenia-Jamestown Connector Bikeway-Plan and construct a bikeway/pedestrian tunnel under the US 35 Bypass.	Fed./Non-Fed
Xenia	GRE042-08.36	US 42 at Ledbetter Road in Xenia-Add southbound left turn lane.	Fed./Non-Fed

TABLE 6.1
TRANSPORTATION SYSTEM MANAGEMENT FOR CY2013 AND CY2014

RIDESHARE IMPROVEMENTS / OZONE ACTION PROGRAM ACTIVITIES IN 2013/2014			
MVRPC	MOT - Air Quality SFY2013	MVRPC SFY2013 Air Quality Program for Greene, Miami, and Montgomery Counties. Activities associated with air	Federal
MVRPC	MOT - Air Quality SFY2014	MVRPC SFY2014 Air Quality Program for Greene, Miami and Montgomery Counties. Activities associated with air	Federal
MVRPC	MOT - Rideshare SFY2013	MVRPC SFY2013 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 SFY2014	MVRPC SFY2014 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
TRANSIT RELATED IMPROVEMENT ACTIVITIES IN 2013/2014			
GDRTA	GDRTA Service Area	Bus Stop Improvements	Fed./Non Fed
GDRTA	GDRTA Service Area	Community Planning and Zoning Workshop	Fed./Non Fed
GDRTA	GDRTA Service Area	Community Grants Program for TE	Fed./Non Fed
GDRTA	GDRTA Service Area	New Freedom Access Imp. Projects	Fed./Non Fed
GDRTA	GDRTA Service Area	JARC Service Projects	Fed./Non Fed
GDRTA	GDRTA Service Area	CMAQ Route Expansions - Employment	Fed./Non Fed
Greene County Transit Board	GCTB - Vehicle Purchase	Replacement of 15 Light Transit Vehicles	Federal/Non Federal
Greene County Transit Board	GCTB - Vehicle Purchase	Replacement of 4 Light Transit Vehicles	Federal
Greene County Transit Board	GCTB - Scheduling Software	Added Fixed Route Module to Scheduling Software	Federal
Greene County Transit Board	GCTB - Mobile Data Terminals	Add Mobile Data Terminals to 37 Vehicles	Federal
Miami County Transit	MCT Service Area	Service Delivery Efficiency Planning	Fed./Non Fed

TABLE 6.2
TRANSPORTATION SYSTEM MANAGEMENT PROPOSED FOR CY2015 AND CY2016

RESPONSIBLE AGENCY	PROJECT	DESCRIPTION	FUNDING
HIGHWAY / BIKEWAY IMPROVEMENT ACTIVITIES IN 2015/2016			
Beavercreek	GRE - I-675 Bike/Ped. Crossing	I-675 just west of North Fairfield Road-Construct a pedestrian/cyclist bridge over I-675 to provide safe and convenient pedestrian access to Wright State University, Nutter Center, shopping and offices.	Fed./Non-Fed
Beavercreek	GRE009-01.60	North Fairfield Road from Jonathan Drive to Shakertown Road-Widen road to three lanes, including bikeway, curb and gutter and storm sewer.	Fed./Non-Fed
Beavercreek	GRE025-04.76	Grange Hall Road from Gardenview Drive to Kemp Road-Widen road to three lanes, including construction of a widened shoulder, bikeway, curb and storm sewer.	Fed./Non-Fed
Beavercreek	GRE036-00.27	Indian Ripple Road from 0.27 miles west of I-675 to 0.1 miles east of I-675-Reconfigure lanes as they approach the ramps for I-675. Improve signal timing and phasing at the ramps.	Fed./Non-Fed
Centerville	MOT - I-675 Wilmington Pike, Phase 1	I-675 and Wilmington Pike Interchange-Increase safety by reducing lane widths to 11' and removing the concrete median. An adequate width bike facility will be included in the project limits. Left turn lanes are extended beyond the ramp intersections by removing the existing raised median.	Fed./Non-Fed
Centerville	Shawnee Trail / Paragon Sidewalk Connector	Pedestrian improvement.	Non-Fed
Dayton	MOT - Broadway Bikeramp SRTS	Broadway Street to the Wolf Creek Bikeway-Construct a bike ramp.	Federal
Dayton	MOT - Broadway Street Bikeway	Broadway Street from West Third Street to Harvard Boulevard, Harvard Boulevard from Broadway Street to Richmond Avenue, Richmond Avenue from Harvard Boulevard to Homewood Avenue, and Homewood Avenue from Richmond Avenue to Forest Avenue-Construct bike lanes on Broadway Street from West Third Street to Harvard Boulevard and creating a bike boulevard through the Five Oaks Neighborhood on Harvard Boulevard, Richmond Avenue and Homewood Avenue.	Fed./Non-Fed

TABLE 6.2
TRANSPORTATION SYSTEM MANAGEMENT PROPOSED FOR CY2015 AND CY2016

RESPONSIBLE AGENCY	PROJECT	DESCRIPTION	FUNDING
HIGHWAY / BIKEWAY IMPROVEMENT ACTIVITIES IN 2015/2016			
Dayton	MOT - Cleveland Park Bikeway Connector	From Wyoming Street and Steve Whalen Boulevard to Cleveland Park-Construct a bike path through Highland Park to Deanwood Avenue. A bike path will also be constructed through Cleveland Park to Cleveland Avenue. In conjunction with this project, the City of Dayton will mark the pavement to create a bike boulevard along Deanwood Avenue to Santa Cruz Avenue and along Santa Cruz Avenue into Cleveland Park as a separate locally funded project.	Fed./Non-Fed
Dayton	MOT - East Fifth & Hamilton Bikeway	East Fifth Street from Wayne Avenue to Hamilton Avenue and Hamilton Avenue from East Fifth Street to Steve Whalen Boulevard-Construct bike lanes including widening of sidewalks, installation of trees, street lighting and all appropriate street markings and signs.	Fed./Non-Fed
Dayton	MOT - Eastern Hills Bikeway Connector	Cosler Avenue and Alexander Drive to the Creekside Trail-Construction of a bikeway.	Fed./Non-Fed
Dayton	MOT - Hillcrest SRTS	Hillcrest Ave. from 300' west of Ravenwood Avenue to Catalpa Drive-Install sidewalk and ADA compliant curb ramps and replace deteriorated curbing and driveway approaches.	Fed./Non-Fed
Dayton	MOT - Keowee Street Bikeway	Keowee Street from Webster Street to Helena Street-Construct a separated bike path.	Fed./Non-Fed
Dayton	MOT - South Main Street	South Main Street from River Park Drive to Patterson Blvd. in Dayton-Widen from 4 to 5 lanes including asphalt resurfacing, curb, sidewalks, street lights, traffic signals, storm sewer and retaining walls.	Fed./Non-Fed
Dayton	MOT - Warren St. Reconstruction	Warren Street from Wyoming Street to Buckeye Street-Reconstruction including new roadway, curbs, sidewalks, street lighting and lawn areas. Bike lanes will also be striped.	Fed./Non-Fed
Fairborn	GRE - Fairborn Side Path	From existing sidewalk 150' east of the railroad tracks at Xenia Dr., along the east side of Dayton Dr., through Central Park and connecting to the west side of Central Ave, terminating at existing path at the intersection of Central Ave. and South St.-Construction of a wide sidewalk.	Fed./Non-Fed

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TRANSPORTATION SYSTEM MANAGEMENT PROPOSED FOR CY2015 AND CY2016

RESPONSIBLE AGENCY	PROJECT	DESCRIPTION	FUNDING
HIGHWAY / BIKEWAY IMPROVEMENT ACTIVITIES IN 2015/2016			
Greene County	Feedwire Road Improvement Project	Improving intersection of Feedwire/Alpha-Bellbrook, widening, turn lanes, overlay.	Non-Fed
Huber Heights	MOT - Chambersburg Widening, Phase 1	Chambersburg Road beginning 280' east of SR 201 and ending at Evergreen Woods Drive-Widening the existing roadway from 2 to 3 lanes. An 8' sidewalk/bikepath will be constructed on the north side of the road along with curb on both sides.	Fed./Non-Fed
Kettering	MOT - Citywide Signal Upgrade	City of Kettering-Upgrade traffic system central software and hardware; upgrade all traffic signal controllers; upgrade conflict monitors with central system communication capabilities; replace all cameras with upgraded cameras and improved cameras communications; upgrade school flashers with LEDs; introduce fiber optic redundant links; retrofit traffic signal cabinets with UPS; and retrofit curb ramps per ADA requirements.	Fed./Non-Fed
Kettering	MOT - Iron Horse Bikeway	From the northeast corner of Stroop Road and Wilmington Pike to the southwest corner of Woodman Commerce Drive and Dorothy Lane (DELCO Park)-Construction of 2 types of path which include a 10' wide, concrete path installed next to a street and a 10' wide asphalt path installed along a former railroad route.	Fed./Non-Fed
Kettering	MOT - Smithville Bikeway	Smithville Road from Farrington Drive to Forrer Boulevard-Construction of a 10' wide multi-use bike path that will extend a local connection to the local and regional bikeway system.	Fed./Non-Fed
Kettering	MOT088-02.70	East Stroop Road from Shroyer Road to East Dorothy Lane-Mill and overlay of the existing asphalt roadway surface and concrete base pavement repairs. Also installation of a 10' wide multi-use concrete side path along Stroop Road from Wilmington Pike to Glengarry Drive.	Fed./Non-Fed
Miami County	MIA033-03.09	The CSX railroad bridge over Eldean Road-Lower the road profile, install a new elevated railroad structure. Also, widen Eldean Road from two to three lanes from CR 25A west approximately 0.33 miles and upgrade traffic signal at the Eldean Rd./CR 25A intersection.	Fed./Non-Fed

TABLE 6.2
TRANSPORTATION SYSTEM MANAGEMENT PROPOSED FOR CY2015 AND CY2016

RESPONSIBLE AGENCY	PROJECT	DESCRIPTION	FUNDING
HIGHWAY / BIKEWAY IMPROVEMENT ACTIVITIES IN 2015/2016			
Monroe Township	CR 25A, Michaels Road Intersection	Widening of Michaels Road at CR 25A including addition of turn lane.	Non-Fed
Montgomery County TID	MOT - Miamisburg Connector Trail	From Byers Road to Medlar Road-Construct a multi-use trail that will connect an existing bikeway and pedestrian system.	Fed./Non-Fed
Montgomery County	MOT - Clio/Spring Valley	At the Clio Road and Spring Valley Pike Intersection- Intersection improvement. Construct dedicated left turn lanes on each approach with traffic signal control. Additional left turn bays are proposed on the NB approach at Clio/Country Corner Lane and on the EB approach at Spring Run Lane/Spring Valley Pike. Approach lanes are to be 12' and curb installed immediately at the intersection with paved shoulders. A culvert will also be widened.	Fed./Non-Fed
Montgomery County	MOT - North Dixie Drive, Ph. 5A	North Dixie Drive between approximately Bartley Road and 1000' south of Benchwood Drive-Widening from 2 to 5 lanes, the center lane will function as a two-way left turn lane. Design of the typical section will include improvements such as curb, sidewalk, closed storm drainage, etc. Other improvements to be constructed include utility relocation and aesthetic enhancements.	Fed./Non-Fed
Moraine	MOT - Springboro Pike	Springboro Pike north of Northlawn Avenue to Main Street-Replace curb, adjust catch basins, manholes and water valves as needed, mill and replace surface asphalt, PM's, RPM's and traffic signal loops as needed.	Fed./Non-Fed
ODOT District-7	MIA - Covington SRTS Infrastructure	East and west side of Ludlow Street from US 36 to Maple Street; north and south side of Chestnut Street from Ludlow Street to Debra Street; north side of US 36 from Stevens Street to Owens Street-Installation of sidewalk and crossing improvements.	Fed./Non-Fed
ODOT District-7	MIA036-11.56	Interchange of I-75 and US 36/Scott Dr/Centre Ct and Looney Rd in Piqua-Rebuild four signals with mast arms, video and dilemma zone detection. Work also includes upgrading pedestrian facilities at intersections.	Fed./Non-Fed
ODOT District-7	MOT048-16.21	SR 48 from Waverly Ave./Wampler Ave. to Westbrook Rd./Dog Leg Rd.-Signal system upgrade.	Fed./Non-Fed

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HIGHWAY / BIKEWAY IMPROVEMENT ACTIVITIES IN 2015/2016			
ODOT District-8	GRE/HAM035/050-05.04/01.05	GRE US-35 at Orchard Lane, GRE US-35 at Valley/Trebein and HAM US-50 at Lawrenceburg Road-Upgrade signals.	Federal
Piqua	MIA - Bikepath Connections	Garnsey St. from the Great Miami River Recreational Trail to Mote Park and Commercial St. from Garnsey St. to Piqua Activity Trail-Construct short segments of multi-use trails at both ends of the project to connect the existing trail facilities to the existing street improvements. Make the necessary improvements along the two street corridors to designate the bike route and enhance the pedestrian pathways. Street improvements include modest curb, sidewalk, drainage and pavement base repairs, new surface asphalt, signage, PM's and tree plantings.	Fed./Non-Fed
Piqua	MIA - SRTS Piqua Infrastructure	In Piqua-Construct widened shoulder along Indian Trail with street lighting, Install 4-way stop at the intersection of Park Ave. and N. Parkway Dr. with ADA ramps. Install new and repair deteriorated sidewalk with ADA ramps along Scott St., Walker St. and Gill St. Remove traffic signals and replace with rectangular rapid flashing beacons and ADA ramps at intersections along Broadway St., W. Greene St. and N. College St.	Fed./Non-Fed
Piqua	MIA025A-18.26	CR 25A from Looney Road to Indian Ridge Drive-Widen to include a center turn lane and new curb and gutter, add 5' sidewalk and tree lawn on both sides of the project, minor utility work and construction of a new storm sewer is included.	Fed./Non-Fed
Riverside	MOT - D07 SRTS Riverside Infrastructure	In Riverside-Upgrade traffic signal at Valley & Harshman. Build campus pathway with lighting from Rohrer Blvd. to Mad River Middle School. Install sidewalk along Enright Street. Build campus pathway for Beverly Gardens Elementary.	Federal
Troy	MIA - Troy Downtown Streetscape Phase 3B	East Main Street from Walnut Street to Mulberry Street- Streetscape includes decorative pavers, new sidewalk, curb bump-outs, ADA ramps, new curbs, pavement and underground electric with decorative light poles.	Fed./Non-Fed
Vandalia	MOT075-22.73	I-75 northbound exit ramp at Northwoods Boulevard-Install a new traffic signal to mitigate congestion and improve traffic operations.	Non-Fed

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HIGHWAY / BIKEWAY IMPROVEMENT ACTIVITIES IN 2015/2016			
West Carrollton	MOT - West Carrollton Intersection Improvement	E. Central Ave., E. Dixie Dr., Cedar St., Slonaker Ave. Intersection-Improve safety by adding a westbound left turn lane, realigning the eastbound left turn lane and changing the traffic signal timing movements. Also included is the extension of the existing bike trail to the east within the work limits and relocation of the sidewalk in the area of the added turn lane.	Fed./Non-Fed
RIDESHARE IMPROVEMENTS / OZONE ACTION PROGRAM ACTIVITIES IN 2015/2016			
MVRPC	MOT - Air Quality SFY2015	MVRPC SFY2015 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 SFY2016	MVRPC SFY2016 Air Quality Program for Greene, Miami and Montgomery Counties. Activities associated with air quality designations - Ozone and PM2.5	Fed./Non-Fed
MVRPC	MOT - Rideshare SFY2015	MVRPC SFY2015 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 SFY2016	MVRPC SFY2016 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
TRANSIT RELATED IMPROVEMENT ACTIVITIES IN 2015/2016			
GDRTA	GDRTA Service Area	Bus Stop Improvements	Fed./Non Fed
GDRTA	GDRTA Service Area	Community Planning and Zoning Workshop	Fed./Non Fed
GDRTA	GDRTA Service Area	Community Grants Program for TE	Fed./Non Fed
GDRTA	GDRTA Service Area	New Freedom Access Imp. Projects	Fed./Non Fed
GDRTA	GDRTA Service Area	CMAQ Route Expansions - Employment	Fed./Non Fed
GDRTA	GDRTA Service Area	Agency Service Technology Enhancements	Fed./Non Fed
GDRTA	GDRTA Service Area	Dual Mode Trolley Bus Demonstration Project	Fed./Non Fed
Greene County Transit Board	GCTB - Vehicle Purchase	Purchase 15 Light Transit Vehicles	Federal/Non Federal
Greene County Transit Board	GCTB - Flex Route Service	Double Flex Route Frequency During Peak Hours	Federal/Non Federal
Greene County Transit Board	GCTB - Flex Route Service	Add Evening Flex Route Service	Federal/Non Federal
Greene County Transit Board	GCTB - Flex Route Service	Add Weekend Flex Route Service	Federal/Non Federal
Greene County Transit Board	GCTB - Security Cameras	Add Security Cameras to Vehicles	Federal/Non Federal
Miami County Transit	MCT Service Area	Capacity Improvement Planning	Fed./Non Fed