

## 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 CY2009 and CY2010 and highlights TSM activities proposed for CY2011 and CY2012.

#### 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 2009 and 2010, 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 2009 and 2010 and plan for more for 2011 and 2012.

Table 6.1 is a listing of TSM improvements, which were completed or implemented in 2009 and 2010. 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 2011 or 2012. 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 CY2009 AND CY2010

RESPONSIBLE AGENCY	PROJECT	DESCRIPTION	FUNDING
HIGHWAY / BIKEWAY IMPROVEMENT ACTIVITIES IN 2009/2010			
Beavercreek	GRE - Beavercreek Signals	North Fairfield Road from Jonathon Drive to Lantz Road and Dayton Xenia Road from Research Park Drive to Beaver Valley Road- Traffic Signal Upgrade and Interconnect	Fed./Non-Fed
Beavercreek	GRE - Creekside Trail	Creekside Trail from the Beavercreek WCL to the Beavercreek ECL-Resurface the bikepath, install top soil berms, upgrade curb ramps at crossing, replace/repair expansion joints on path bridge over I-675.	Fed./Non-Fed
Beavercreek	GRE - Grange Hall Bikeway	From SR 835 to .14 mile South of Dayton-Xenia Road-Construct a separate bikepath parallel to Grange Hall Road.	Fed./Non-Fed
Beavercreek	GRE001-00.60	Colonel Glenn Highway from the west corp. of Beavercreek to National Road-Mill and resurface the roadway. Includes base repairs, pavement markings, restoration of traffic signal loops, curb ramp upgrades and installation of raised pavement markers.	Federal
Beavercreek	GRE009-04.55	North Fairfield Road from 500' north to 500' south of Fairwood Drive-Add left turn lane on North Fairfield Road at Fairwood Drive.	Fed./Non-Fed
Beavercreek	GRE036-00.63 (Indian Ripple)	Indian Ripple Road from Sylvania Drive to Darst Road, including improvements to the westbound approach to the Darst Road intersection-Widen Indian Ripple Road to five lanes. Project includes the installation of curbs, storm sewers, street lighting, bikeway, sidewalk, the reconstruction of one traffic signal, and the installation of one new traffic signal.	Fed./Non-Fed
Brookville	MOT - Wolf Creek Street	Wolf Creek Street from McMaken Lane to Market Street-Mill and overlay roadway, including restriping and improving curb ramps.	Fed./Non-Fed
Centerville	MOT - Bigger Road	Bigger Road from SR725 to the Centerville NCL-Mill and resurface the existing roadway, maintenance to the curb, sidewalk and shared use path. Upgrade ramps to meet ADA compliance.	Fed./Non-Fed
Clayton	Susan Drive Sidewalk Construction	Sidewalk construction.	Non-Federal
Clayton	Hoke/Kimmel Road Improvements	Hoke Upgrade to 5 lanes in 2010. Kimmel upgrade to 3 lanes in 2010.	Fed./Non-Fed
Clayton	MOT - Clayton ADA Ramps	Various locations in the City of Clayton-Install up to 179 handicap accessible ramps in two areas in the city.	Federal
Dayton	MOT - CBD Street Conversion	Dayton CBD-Develop Preliminary Plans to Convert One Way Streets to Two Way Streets in Dayton. MVRPC Will Act as LPA for PE Phase. Construction Added to Project 07/05 - City of Dayton is the LPA for CO Phase. Bikepath striping will be part of the project.	Fed./Non-Fed
Dayton	MOT - D07 SRTS Dayton Schools	Dayton City Schools: Cleveland, Edison, Kiser and Ruskin-Cleveland:Crosswalks, curb and walk, 2 bike racks, street lighting along route to school. Edison:Sidewalk and curb replacement, traffic calming curb extensions, landscaping and school zone signage/pavement marking upgrades. Kiser:Crosswalks and signage. Ruskin:Repair/replace sidewalks, curbs and curb ramps on Xenia Ave. and McClure St. and upgrade crossings with new pavement markings and signage.	Federal
Dayton	MOT - Dayton ITS	At the intersections of US 35/Abbey Avenue and US 35/Liscum Drive in Dayton-Install digital wave radar detectors at two at-grade intersections. Also, install uninterrupted power supplies at the intersections per the ODOT C&MS.	Federal

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TRANSPORTATION SYSTEM MANAGEMENT FOR CY2009 AND CY2010

RESPONSIBLE AGENCY	PROJECT	DESCRIPTION	FUNDING
HIGHWAY / BIKEWAY IMPROVEMENT ACTIVITIES IN 2009/2010			
Dayton	MOT - Dayton Sidewalks	Citywide project in Dayton-Repair and replace any defective sidewalk, curb, driveway aprons and alley mouths.	Federal
Dayton	MOT - Signals Ph. 8	Various locations in the City of Dayton-Rebuild fifteen signalized intersections throughout the City, including poles, vehicle signals, pedestrian signals and cable.	Federal
Dayton	MOT - Signals Phase 7	Various locations in Dayton-Signal upgrade.	Fed./Non-Fed
Dayton	MOT - Traffic Responsive Operation	Various locations in the City of Dayton-Install various types of system sensors on arterials in the City to allow traffic responsive operation of the traffic signals.	Fed./Non-Fed
Dayton	MOT - Wayne/Wilmington	Wayne/Wilmington Avenues from Utah Court to Ravelle Court-Widen Wayne Avenue to 5 lanes and widen Wilmington Avenue to 4 lanes.	Fed./Non-Fed
Dayton	MOT048-13.64	SR48 (Main Street) - I-75 to Fairview - Enhancements and reconstruction of SR48 at Helena Main and SR48 at Fairview by adding turn lanes. Enhancements include sidewalks, trees, and shrubs, benches and decorative masonry piers.	Fed./Non-Fed
Fairborn	GRE444-04.90	SR 444 (Broad Street) at Dayton Drive/WPAFB Gate 1-C-Improve/upgrade the existing signals. Will include new signal heads and upgrading to LED indicators.	Federal
Five Rivers Metro Parks	MIA - Great Miami Bikeway Connection, South	Great Miami River Bikeway from Old Springfield Road north to Kyle Park in Tipp City-Construct a missing link on the River Corridor Bikeway.	Federal
Five Rivers Metro Parks	MOT - Riverscape Ph. 3	At the Riverscape area in Dayton-Development of bicycle hub and recreation trail improvements in downtown Dayton, to include pavement, trees, plantings, turf, furnishings and fountains, and associated site work and utilities.	Fed./Non-Fed
Franklin	Second Street, Deardoff Road through Commerce Center Drive Improvements	Reconstruction, safety improvements.	Non-Federal
Franklin	WAR270-01.59	Franklin-Trenton Road from the Franklin WCL to Park Ave.-Resurface roadway including restriping and making curb ramps ADA compliant.	Federal
Greene Co. Parks	GRE - Little Miami Trail Resurfacing	Little Miami Scenic Trail from Hedges Road to Yellow Springs-Fairfield Road-Resurfacing consisting of 2" of asphalt pavement with 2' compacted topsoil berms and thermoplastic striping.	Federal
Kettering	MOT - D07 SRTS Delaine Avenue	North of Fairmont High School on Delaine Avenue in Kettering-Construct sidewalks, enhance school crosswalks, add application and pedestrian countdown signals.	Fed./Non-Fed
Kettering	MOT - Dorothy/Wilmington	Dorothy Lane/Wilmington Pike intersection-Pavement replacement; install tree lawns & sidewalks; reconstruct traffic signals; construct loop road on NW quadrant of intersection and add third through lane in each direction on Wilmington at Dorothy.	Fed./Non-Fed
Kettering	MOT - Kettering Bikepath	From the southern terminus of Hempstead Station Drive, north along Hempstead Station Drive to Stroop Road then east along Stroop to the southwest corner of the Stroop/Wilmington Pike intersection-Construct a multi-use path.(Hempstead Station Drive south of David Road will be a signed "Shared Roadway".)	Fed./Non-Fed



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RESPONSIBLE AGENCY	PROJECT	DESCRIPTION	FUNDING
HIGHWAY / BIKEWAY IMPROVEMENT ACTIVITIES IN 2009/2010			
Kettering	MOT - S. Dixie Phase 3 Kettering	Rehabilitate and improve South Dixie Highway from 350' North of Dorothy Lane to 400' North of Cardington in Kettering-Reconstruct the two SB and two NB lanes and curbs. Fill missing sections of sidewalk and make sidewalk repairs as needed. Make drive approach repairs and place all street light wiring underground. Install underground conduit for future interconnect fiber.	Fed./Non-Fed
Kettering	MOT - S. Dixie Phase 4 Kettering	South Dixie Highway from Cardington to Kettering NCL-Concrete repair of medians, curbs and some pavement; mill and fill existing pavement; installation of sidewalk where missing; rebuild traffic signal at Sacramento Ave. and some modification of the existing street light system.	Fed./Non-Fed
Miami Co. Park Dist.	MIA - Great Miami Bikeway Ph. 2	Construct a portion of the Great Miami River multi-use trail in Miami County from Eidean Road to Peterson Road.	Federal
Miami County	Farrington Road Reconstruction	Pavement widening, ditch setback, traffic signal and turn lanes at Experiment Farm Road, turn lane at CR 25-A and curve reconstruction.	Non-Federal
Miami County	MIA149-06.58 (Peters Road)	CR149 (Peters Road) at Peters Creek-Bridge Replacement. Project will include sidewalks.	Fed./Non-Fed
Miamisburg	MOT - Heincke Road	South Heincke Road from SR 725 to Belvo Road-Mill and fill roadway, add pavement markings, upgrade one traffic signal.	Federal
Montgomery Co. TID	MOT - Byers Road	Byers Road from Miamisburg-Springboro Pike to Belvo Road-Widen from 2 to 5 Lanes and Relocate to the West to form a Four-Leg Intersection with Wood Road.	Fed./Non-Fed
Montgomery County	MOT - Lyons Road	Lyons Road from Byers Road to Washington Church Road-Resurface the roadway and the existing asphalt trails on either side of the roadway.	Federal
Montgomery County	MOT048-00.45	SR48 from 0.19 Mi S of Social Row Rd to 0.19 Mi N of Social Row Rd-Add Left Turn Lanes, Improve Capacity and Safety at Signalized Intersections	Fed./Non-Fed
Montgomery County	MOT099-21.74	North Dixie Drive from Little York Road to IR70 in Montgomery County-Widen from 2 to 5 lanes, adding curb and gutter, sidewalks, and street lighting on both sides.	Fed./Non-Fed
Montgomery County	MOT166-06.00 (Austin Pike)	Austin Pike from SR741 to Washington Church Road-Widen and realign from 2 to 4/5 lanes.	Fed./Non-Fed
Moraine	MOT - Kettering Blvd.	Kettering Boulevard from the Moraine NCL to the Moraine SCL-Reconfigure right turn drop lanes, replace existing bridge, install sidewalk, resurface the existing roadway.	Fed./Non-Fed
Moraine	MOT - Main Street Moraine	Main Street from SR 741 to the Moraine NCL-Resurface the existing surface with a SAMI seal course and top with a micro surface material, add RPM's and PM's. Add a 4' berm, replace and widen sidewalks.	Federal
Moraine	MOT741-07.00	At the intersection of SR741 and Dixie Drive/Kettering Boulevard-Install traffic signal head blackplates and battery backups at intersection to improve visibility of the signal heads and minimize visibility/safety concerns during power outage.	Fed./Non-Fed
Oakwood	MOT - Far Hills/Patterson	Various locations in Oakwood-Replace current curb ramps with ADA compliant ramps and associated work.	Fed./Non-Fed

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RESPONSIBLE AGENCY	PROJECT	DESCRIPTION	FUNDING
HIGHWAY / BIKEWAY IMPROVEMENT ACTIVITIES IN 2009/2010			
Oakwood	MOT048-08.67	Far Hills Avenue (SR 48) and Patterson Road (entire length) in Oakwood-Replace all incandescent signal indicators with LED fixtures; countdown timers to be added to all of the signals on Far Hills Avenue; crossings of side streets will be upgraded to LED equipment (not countdown timers); upgrade traffic signal controllers and radar actuation equipment will be installed at three key intersections; pre-emption will be added at the intersection of Park Avenue/Far Hills Avenue.	Federal Non-Federal
ODOT District-7	D07-TSG MAINT79 FY11/12	Districtwide-Traffic signal maintenance project.	
ODOT District-7	MIA036-03.88	In Covington at the intersection of US36 and SR48; US36 from SLM 3.88 to SLM 4.28-Safety project to upgrade traffic signal for better signal head visibility and to provide advanced vehicle detecting and protected permitted left-turn signal. Also, some Access Management.	Fed./Non-Fed
ODOT District-7	MIA041-12.64 (Washington Road)	Washington Road at SR41 in Troy-Relocate Existing Intersection of Washington Road Approx. 1000' West Eliminating Hazardous Curve on Washington. Widen SR41 to Add Left Turn Lanes, Includes New Traffic Signal.	Fed./Non-Fed
ODOT District-7	MOT - Monum ADA Ramp	Monument Ave. Bridge in Dayton-Provide handicap access to the bikeway along the Great Miami River near the MOT-Monum 6.02 bridge replacement.	Fed./Non-Fed
ODOT District-7	MOT048-16.14	Construction of the ramp involves partial reconstruction of the Miami Conservancy District's Service Drive.	Fed./Non-Fed
ODOT District-7	MOT075-00.75 (Austin Pike)	SR48 in Dayton from Sandhurst Dr. north to Nottingham-Repair of curb & gutter, sidewalk, tree lawn and other roadway related items.	Non-Federal
ODOT District-7	MOT075-06.36	IR75 at Miamisburg-Springboro Pike Overpass-Construct a New Local Diamond Type Interchange, Including Widening Miamisburg-Springboro Pike from SR741 to Wood Road.	Fed./Non-Fed
ODOT District-7	MOT075-09.31	IR75 at South Dixie/Central Avenue Interchange (exit 47)-Construct Four Missing Movements at Existing Interchange: SB South Dixie to NB IR75; NB Central Avenue to SB IR75; NB IR75 to SB South Dixie; SB IR75 to NB South Dixie.	Fed./Non-Fed
ODOT District-7	MOT075-11.00 (Phase 1B)	I-75 from 0.10 mile south of Springboro Road West to 0.10 mile north of Arbor Drive on Dryden Road-Install signals at intersecting northbound and southbound I-75 ramps on Dryden Road. Connect the new signals to existing signals at Arbor & Dryden and Springboro West & Dryden and upgrade detection systems.	Federal
Piqua	Great Miami Recreation Trail	IR75 Phase 1B at the US35 Interchange-Reconstruct to Provide Three Continues Thru Lanes in Each Direction (Edwin C. Moses Blvd at UD Arena to Fifth Street bridge)	Fed./Non-Fed
Springboro	Pennyroyal Road, East End, Roadway Improvements	New Bikeway Road reconstruction and widening, having curb & gutter, storm sewer and sidewalk.	Fed./Non-Fed Non-Federal

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RESPONSIBLE AGENCY	PROJECT	DESCRIPTION	FUNDING
<b>HIGHWAY / BIKEWAY IMPROVEMENT ACTIVITIES IN 2009/2010</b>			
Springboro	WAR073741-04.11/13.95	Various locations on SR 73 and SR 741 in Springboro-Replace existing traffic signal lamps with LED lamps. Install five battery backups and interconnect three traffic signals between Pennyroyal Road and Lytle Five Points Road. Upgrade the traffic signal at Pennyroyal Road.	Fed./Non-Fed
Tipp City	MIA571-13.43	SR 571 from the junction of CR25A to Hyatt Street-Replace 8 traffic signals, controllers, loop detectors, wire, mast arm poles, fiber to connect signals, master computer.	Fed./Non-Fed
Trotwood	MOT - Shiloh Springs/Salem Avenue	Shiloh Springs Road from SR49 to Denlinger Road-Intersection reconstruction and relocation.	Fed./Non-Fed
Vandalia	MOT - National Road Streetscape, Phases 3 and 4	National Road in Vandalia; Phase 3 from Maple to Dixie and Phase 4 from Foley Drive to near Brown School Road-Remove and replace trees, add decorative tree grates, decorative lights, replace sidewalk, pavers, drive aprons an upgrade bus stops with street furniture.	Fed./Non-Fed
Washington Township (Montgomery County)	Congress Park - McEwen Intersection Improvement	Safety Improvement	Non-Federal
Washington Township (Montgomery County)	Far Hills Sidewalk Project, Phase 1, Phase 2	Pedestrian Improvement	Non-Federal
West Carrollton	MOT - Traffic Signals West Carrollton	S. Alex Rd. from Watertower Lane northward to Kimberly Lane-Remove and replace traffic signals systems for 9 intersections on S. Alex Road. Install master traffic signal computer system at the city building.	Fed./Non-Fed
West Carrollton	MOT - West Central Avenue/Miami Avenue	West Central Avenue from Miami Avenue to Walnut Street and Miami Avenue from Central Avenue to Hydraulic Road-Pavement planing and repaving to eliminate rutting and support heavy loads. Sections of curb and gutter will be repaired and ramps brought up to ADA standards.	Federal
Xenia	GRE068-09.45	From the intersection of Miami Avenue and South Detroit Street to 150' east of the intersection of Hill Street and South Detroit Street-Realign and widen sidewalks, replacing and aligning curb ramps, restriping cross walks, raise catch basin and convert to man holes.	Federal
Xenia	GRE215-00.00	South Columbus Street in Xenia from Home Avenue to Main Street-Replace deteriorated sidewalk and curb. This project also includes resurfacing of the street within the same limits.	Federal
<b>RIDESHARE IMPROVEMENTS / OZONE ACTION PROGRAM ACTIVITIES IN 2009/2010</b>			
MVRPC	MOT - Air Quality SFY2009	MVRPC SFY2009 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 SFY2010	MVRPC SFY2010 Air Quality Program for Greene, Miami and Montgomery Counties. Activities associated with air quality designations - Ozone and PM2.5	Federal
MVRPC	MOT - Rideshare SFY2009	MVRPC SFY2009 Rideshare Program for Cii., Gre., Miami, Mot. and Pre. Counties. Match Commuters Interested in Carpooling to Work/School. Marketing & Outreach - Ridesharing, Bike, Bus & Walking.	Federal
MVRPC	MOT - Rideshare SFY2010	MVRPC SFY2010 Rideshare Program for Cii., Gre., Miami, Mot. and Pre. Counties. Match Commuters interested in Carpooling to Work/School. Marketing & Outreach-Ridesharing, Bike, Bus & Walking.	Federal



TABLE 6.1  
TRANSPORTATION SYSTEM MANAGEMENT FOR CY2009 AND CY2010

RESPONSIBLE AGENCY	PROJECT	DESCRIPTION	FUNDING
<b>TRANSIT RELATED IMPROVEMENT ACTIVITIES IN 2009/2010</b>			
GDRTA	GDRTA Service Area	Bus Stop Improvements	Fed./Non. Fed.
GDRTA	GDRTA Service Area	Community Planning & Zoning Workshop	Fed./Non. Fed.
GDRTA	GDRTA Service Area	Community Grants Program for TE's	Fed./Non. Fed.
GDRTA	GDRTA Service Area	Downtown Passenger Hub Improvements	Fed./Non. Fed.
Greene CATS	Implemented new service	Expanded span of service from 6 to 9PM, M-Sun	Fed./Non-Fed
Greene CATS	Implemented new service	Increased amount of weekend service for disabled	Fed./Non-Fed
Greene CATS	Implemented new service	Xenia-YSprings flex with transfer to Springfield rt	Fed./Non-Fed
Greene CATS	Implemented new service	Outings for Gr County Bd of Dev Disabilities	Fed./Non-Fed
Greene CATS	Implemented new service	Service for IYS youth with mental health disabilities	Fed./Non-Fed
Greene CATS	Implemented new service	Travel training for GrCATS and in coord with GDRTA	Fed./Non-Fed
Greene CATS	Implemented new service	Installed bike racks on 1/2 the fleet	Fed./Non-Fed
Greene CATS	Implemented new service	Trip brokering for Gr Co Dept of JFS trips	Fed./Non-Fed
Greene CATS	Implemented new service	Continued and enhanced mobility management activities	Fed./Non-Fed
Greene CATS	Implemented new service	Began work on Rob's Rescue for accessible EMT	Non-Federal
Greene CATS	Planning	Continued to implement regional coordination plan	Fed./Non-Fed
Greene CATS	Planning	Reviewed service productivity and deadhead	Fed./Non-Fed
Greene CATS	Planning	Developed and updated 5-year budget	Fed./Non-Fed
Greene CATS	Planning	Developed some components of strategic plan	Fed./Non-Fed
Miami County Transit	Miami County Transit Service Area 6	6 replacement vehicles	Federal
Miami County Transit	Miami County Transit Service Area 6	Purchase and implementation of new software	Federal
Miami County Transit	Miami County Transit Service Area 6	Construction of new facility	Federal
Miami County Transit	Miami County Transit Service Area 6	One new vehicle	Federal

TABLE 6.2  
TRANSPORTATION SYSTEM MANAGEMENT PROPOSED FOR CY2011 AND CY2012

RESPONSIBLE AGENCY	PROJECT	DESCRIPTION	FUNDING
<b>HIGHWAY / BIKEWAY IMPROVEMENT ACTIVITIES IN 2011/2012</b>			
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 - Hanes Road	Hanes Road from .19 miles south of Kemp Road to Kemp Road-Widen Hanes Road to create a northbound left-turn lane at Kemp Road, install new mast arm style traffic signal and construct sidewalk along the east side of Hanes Road from existing sidewalk at Hedge Gate Boulevard to Kemp Road.	Fed./Non-Fed.
Beavercreek	GRE001-00.95	Colonel Glenn Highway (CR 1) from 500 ft west of Grange Hall Road to Grange Hall Road-Add an eastbound right turn lane and re-stripe northbound to create a northbound right turn lane.	Fed./Non-Fed.
Beavercreek	GRE009-03.20	Intersection of North Fairfield Road and Beaver Vu Drive-Installation of a new painted mast arm type traffic signal. The signal will be incorporated into the fiber optic closed-loop system that is scheduled to be constructed in 2009 under PID# 78495.	Fed./Non-Fed.
Beavercreek	GRE009-06.58	North Fairfield Road from NB I-675 ramps to SB I-675 ramps-Intersection improvements at ramps and right turn lane to NB I-675 ramp.	Fed./Non-Fed.
Carlisle Centerville	WAR - Central Ave. (SR123) Claridge Lane Sidewalk Construction	SR 123 (Central Ave.) from Park Drive to Jamaica Road-Widening of roadway to include two 12 ft. lanes, streetscape and overlaying of existing pavement. Project includes installation of curb and gutter, sidewalk, tree lawn, storm sewers, and new drive approaches. Pedestrian improvement.	Fed./Non-Fed. Non-Federal
Centerville Dayton	Shawnee Trail / Paragon Sidewalk Connector Heid Avenue Widening	Pedestrian improvement. Safety improvement.	Non-Federal Non-Federal



TABLE 6.2  
TRANSPORTATION SYSTEM MANAGEMENT PROPOSED FOR CY2011 AND CY2012

RESPONSIBLE AGENCY	PROJECT	DESCRIPTION	FUNDING
<b>HIGHWAY / BIKEWAY IMPROVEMENT ACTIVITIES IN 2011/2012</b>			
Dayton	MOT - Cable Upgrade Ph. 2	In the Innerwest region of Dayton (Wright-Dunbar area)- Replace existing twisted pair copper communication cable with fiber optic communication cable.	Fed./Non-Fed.
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 - Great Miami Blvd	Great Miami Boulevard (Renaissance Project) from Riverview Avenue to Main Street-Widening from 4 to 5 lanes and extension.	Fed./Non-Fed.
Dayton	MOT - James McGee Extension	James H. McGee Boulevard from McCall Street to Germantown Street-Road extension. Also included in the project is realignment of Lakeview Avenue from 350' east of Maclin Street to Germantown Street and widening of Germantown Street from 150' east of Oldfield Avenue to Danner Avenue.	Fed./Non-Fed.
Dayton	MOT - Signals Ph.9	Various intersections in Dayton-Complete rebuild at 10 intersections, including poles, vehicle signals, pedestrian signals and cable.	Fed./Non-Fed.
Dayton	MOT - US 35 Underpass Lighting	US 35 underpass at Edwin Moses, Perry, Main, Patterson, Jefferson and Wayne Streets-Add supplemental lighting to existing, install sidewalks and ADA compliant ramps at each intersection.	Fed./Non-Fed.
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.
Five Rivers Metro Parks	MOT - Mad River Bikeway	Mad River Bikeway from Eastwood MetroPark to Huffman MetroPark-Construct New Bikeway.	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 - Traffic Signals Kettering	Various locations in the City of Kettering-Reconstruction of eight traffic signals and upgrade interconnect cable.	Fed./Non-Fed.

TABLE 6.2  
TRANSPORTATION SYSTEM MANAGEMENT PROPOSED FOR CY2011 AND CY2012

RESPONSIBLE AGENCY	PROJECT	DESCRIPTION	FUNDING
<b>HIGHWAY / BIKEWAY IMPROVEMENT ACTIVITIES IN 2011/2012</b>			
Kettering	MOT835-01.64	SR835 at the intersection of Woodman Drive and Patterson Road/Research Blvd.-Reconstruct and realign the intersection, add turn lanes, curb and sidewalk, landscaping, includes signal reconstruction and street lighting.	Fed./Non-Fed.
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.
Miami County	MIA014-00.00	Troy-Adams Street bridge located on County Road 14- Replace existing 500-ft. long, 7-span, 38.4-ft. wide, 1922 filled concrete arch bridge with a new pre-stressed concrete I-beam structure, including sidewalks and 10-foot bike path.	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	MOT166-02.99	Miamisburg-Springboro Pike from Peacock Lane to Medlar Road-Widen existing roadway from 2 to 3 lanes, correct profile and alignment for volumetric deficiencies.	Fed./Non-Fed.
Montgomery County	MOT175-02.17	CR175 (Yankee Street) from Spring Valley Road to 1150 Feet South of Lyons Road - Widening the existing roadway to 5 lanes. The center lane will be a 2-way left-turn lane. Citywide in Moraine-Upgrade traffic signal controllers and traffic surveillance cameras. Upgrade the traffic signal system monitoring software and the City's traffic management center. Will also provide additional system detection, improved utilization of the City's existing communications backbone and upgraded equipment for future ITS development. All remaining incandescent signal heads will be replaced with LED signal heads.	Fed./Non-Fed.
Moraine	MOT - Traffic Signals Moraine		Fed./Non-Fed.

TABLE 6.2  
TRANSPORTATION SYSTEM MANAGEMENT PROPOSED FOR CY2011 AND CY2012

RESPONSIBLE AGENCY	PROJECT	DESCRIPTION	FUNDING
<b>HIGHWAY / BIKEWAY IMPROVEMENT ACTIVITIES IN 2011/2012</b>			
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	MOT235-00.22	SR235 at 0.09 mile south of jct. of SR4-Addition of turn lanes and traffic signal on Chambersburg Road at Ramp A/B intersection.	Fed./Non-Fed.
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.	Fed./Non-Fed.
ODOT District-8	WAR741-14.62	SR741 from 1.04 miles south of SR73 to 0.92 south of SR73-Rehabilitate bridge by replacing the deck, widening of structure to accommodate future sidewalk, and performing other minor rehab items.	Fed./Non-Fed.
Piqua	MIA036-10.77	US36 from the Great Miami River Bridge to SR66-Reconstruction and widening to include two through lanes plus a center turn lane.	Fed./Non-Fed.
Springboro	East Central Avenue, S.R. 73 Roadway Widening	Roadway widening from 2 to 3 lanes.	Non-Federal
Springboro	Pennyroyal Road Roadway Improvements	Road widening, storm sewer and construction of curb & gutter on the north side.	Non-Federal
Troy	I-75 Pedestrian Crossing	Other improvement.	Non-Federal
Troy	Terry Bridge Replacement	Bridge replacement.	Non-Federal
Washington Township, Montgomery County	Nutt Road Sidewalk Project	Install sidewalk on the north side between Quailwood and Meadow Woods, widen road to 3 lane section.	Non-Federal
Xenia	GRE - Xenia Bikepath Enhancement	From the NE corner of the Xenia Station Bike Hub (near Hill Street) to the intersection of S. Detroit St. (US 68) and W. Third St.-Implementation of a bikepath enhancement plan including planting trees, installation of lighting, pedestrian crossings and other amenities. Existing sidewalks and curbs will be replaced where necessary.	Fed./Non-Fed.
<b>RIDESHARE IMPROVEMENTS / OZONE ACTION PROGRAM ACTIVITIES IN 2011/2012</b>			
MVRPC	MOT - Air Quality SFY2011	MVRPC SFY2011 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 SFY2012	MVRPC SFY2012 Air Quality Program for Greene, Miami and Montgomery Counties. Activities associated with air quality designations - Ozone and PM2.5	Federal

TABLE 6.2  
TRANSPORTATION SYSTEM MANAGEMENT PROPOSED FOR CY2011 AND CY2012

RESPONSIBLE AGENCY	PROJECT	DESCRIPTION	FUNDING
<b>RIDESHARE IMPROVEMENTS / OZONE ACTION PROGRAM ACTIVITIES IN 2011/2012</b>			
MVRPC	MOT - Rideshare SFY2011	MVRPC SFY2011 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 SFY2012	MVRPC SFY2012 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 2011/2012</b>			
GDRTA	GDRTA Service Area	Bus Stop Improvements	Fed./Non. Fed.
GDRTA	GDRTA Service Area	Community Planning & Zoning Workshop	Fed./Non. Fed.
GDRTA	GDRTA Service Area	Community Grants Program for TE's	Fed./Non. Fed.
GDRTA	GDRTA Service Area	System Wide Bus Stop Sign Replacements	Fed./Non. Fed.
Greene CATS	Implemented new service	Dayton-Xenia flex route	Fed./Non-Fed.
Greene CATS	Implemented new service	East/west Xenia flex route	Fed./Non-Fed.
Greene CATS	Implemented new service	Installed 1000# lift on 1 bus for bariatric population	Fed./Non-Fed.
Greene CATS	Implemented new service	Continue to work with Rob's Rescue for accessible EMT	Non-Federal
Greene CATS	Service to be implemented	Volunteer reimbursement service for elderly/disabled	Fed./Non-Fed.
Greene CATS	Service to be implemented	Regional coordination website	Fed./Non-Fed.
Greene CATS	Service to be implemented	Outings for Greenwood Manor and Today Center	Fed./Non-Fed.
Greene CATS	Service to be implemented	Medical trips for Today Center	Fed./Non-Fed.
Greene CATS	Service to be implemented	Service for domestic violence shelter	Fed./Non-Fed.
Greene CATS	Service to be implemented	Funding for car repairs for poor residents	Fed./Non-Fed.
Greene CATS	Service to be implemented	Transportation enhancements (shelters, etc) on flex rts	Fed./Non-Fed.
Greene CATS	Service to be implemented	Bus replacements	Fed./Non-Fed.
Greene CATS	Service to be implemented	Outfit fleet with security cameras	Fed./Non-Fed.
Greene CATS	Service to be implemented	Outfit fleet with GPS and MDTs	Fed./Non-Fed.
Greene CATS	Service to be implemented	Enhance phone system to better handle trip requests	Fed./Non-Fed.
Greene CATS	Service to be implemented	Enhance scheduling software for flex routes	Fed./Non-Fed.
Greene CATS	Planning	Continue to implement regional coordination plan	Fed./Non-Fed.
Greene CATS	Planning	Review service productivity and deadhead	Fed./Non-Fed.
Greene CATS	Planning	Develop and update 5-year budget	Fed./Non-Fed.
Greene CATS	Planning	Continue to work with Beaver creek re new flex routes	Fed./Non-Fed.
Greene CATS	Planning	Prepare presentation for loc govts/businesses re GCATS	Fed./Non-Fed.
Miami County Transit	Miami County Transit Service Area	2 replacement vehicles	Federal