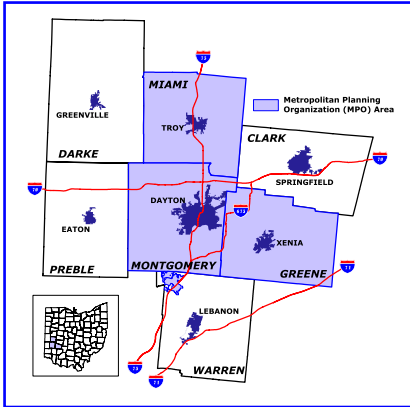


## INTRODUCTION



The Miami Valley Regional Planning Commission (MVRPC) conducts transportation planning activities as the (MPO) Metropolitan Planning Organization, for Miami, Greene and Montgomery Counties and the Cities of Carlisle and Franklin in Warren County in Ohio. The data presented in this document reflects

Year 2000 information unless indicated otherwise.

## ROADWAYS

Roadways in the Miami Valley Region are comprised of an extensive network of Interstates, US, State and local routes.

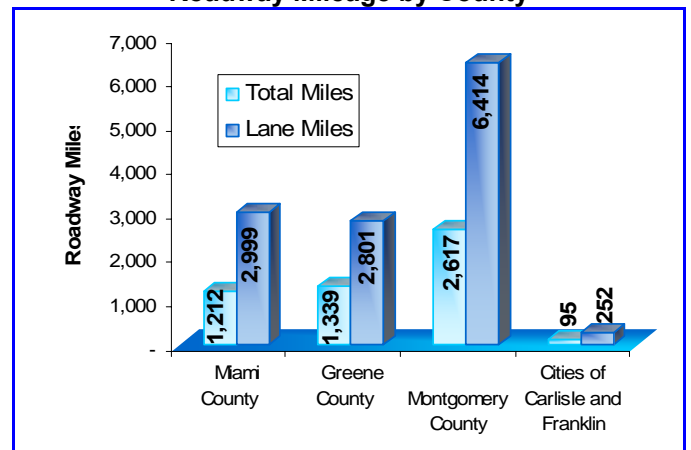
- Interstates in the Region: I-70, I-75 and I-675
- Roadway Miles
  - Regional Network Roadway Miles 5,260
  - 2,200
- Roadway Lane Miles
  - Regional Network Roadway Lane Miles 12,460
  - 4,850

Montgomery County, the largest and the most urbanized county in the Region, has the largest road mileage, followed by Miami and Greene Counties.

## DEMOGRAPHICS

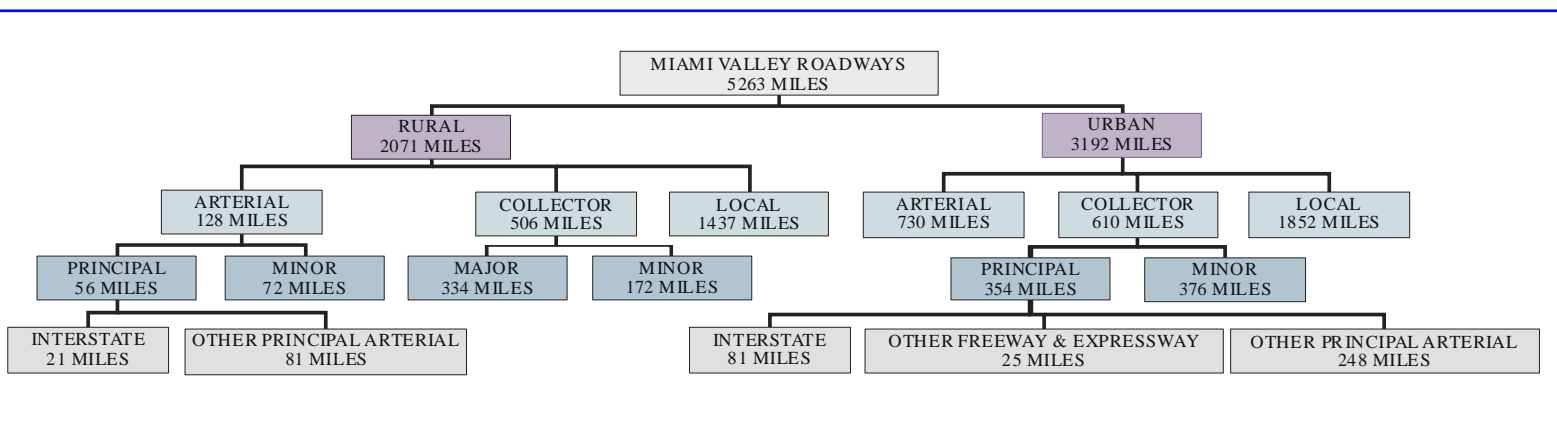
- Area (sq.mi.) 1,300
- Urban Area (sq.mi.) 345
  - Dayton Urbanized Area (sq.mi.) 324
  - Urban Clusters (sq.mi.) 21
- Population 822,000
  - Largest County: Montgomery County 559,062
  - Largest City: City of Dayton 166,000
- Employment 437,000
- Density (persons per sq.mi.) 632
  - Urban Area 4,570
  - Rural Area Density 90

Roadway Mileage by County



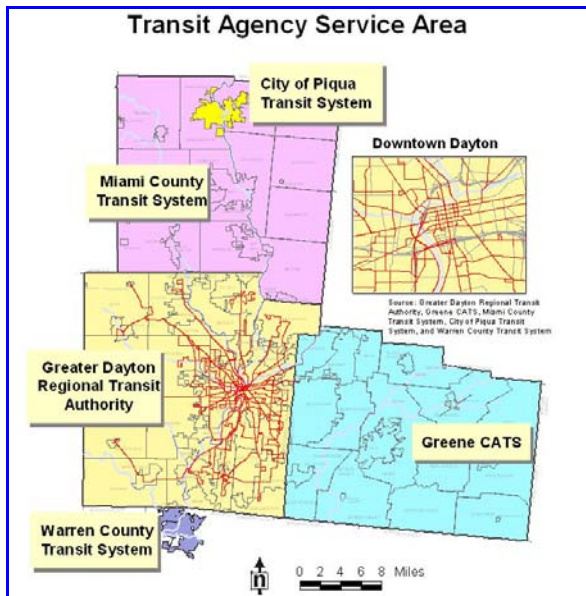
The diagram below shows the road network hierarchy and a distribution of roadway miles according to their functional classification in the Miami Valley Region.

Functional Classification of Miami Valley Roadways



## TRANSIT

The Region is served by four transit agencies: the Greater Dayton Regional Transit Authority (GDRTA) in Montgomery County, the Greene County Transit Board (Greene CATS) in Greene County, the Miami County Transit System in Miami County (excluding the City of Piqua), and the City of Piqua Transit System.



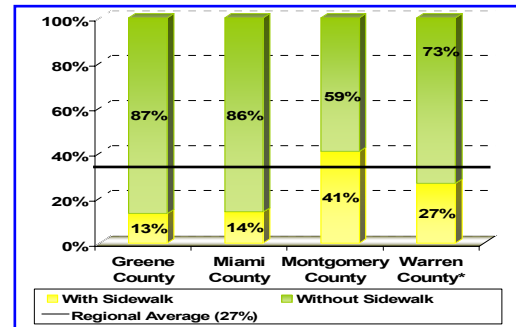
Transit Agency	Type of Service	Annual Passenger Trips
GDRTA	Fixed Route and Paratransit	13,000,000
Greene CATS	Demand-Responsive	111,000
Miami County	Demand-Responsive	70,000
City of Piqua	Demand-Responsive	46,000

## REGIONAL BIKEWAY MILES

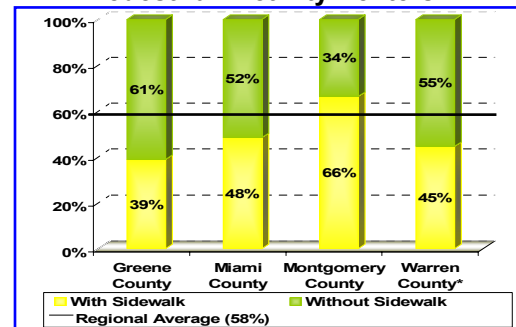
County	Bike Route	Bike Path	Total
Greene	0.0	56.3	56.3
Miami	24.2	12.6	36.8
Montgomery	3.6	69.6	73.2
<b>Total</b>	<b>27.8</b>	<b>138.5</b>	<b>166.3</b>

## SIDEWALK AVAILABILITY

### On Non-Limited Access Roads:

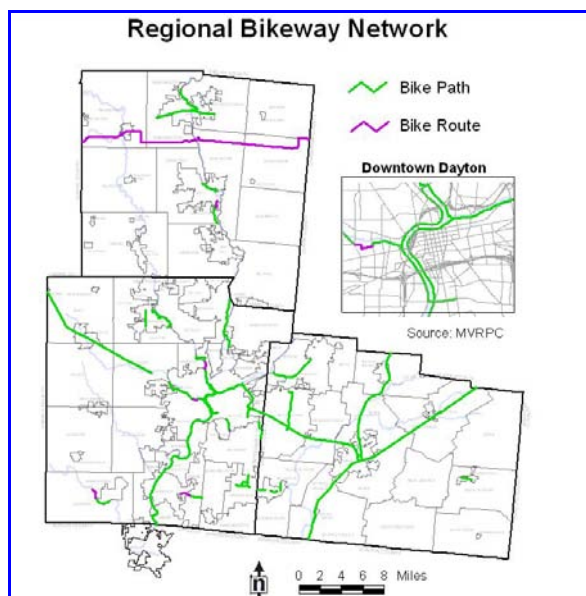


### On Non-Limited Access Roads near Pedestrian Activity Centers:



## BIKEWAYS AND SIDEWALKS

The Miami Valley Region has an extensive network of bikeways and sidewalks for pedestrians and bikers. Intermodal facilities such as Park-N-Bike and Park-N-Ride are located throughout the Region.



## FREIGHT TRANSPORTATION

Efficient movement of freight in the Miami Valley Region is supported by an extensive network of railroads, pipelines, roadways, truck terminals and the Dayton International Airport.

Routes	Truck Volume % Range
I-70	29% - 49%
I-75	17% - 35%
I-675	6% - 16%
Ohio Interstate Average	17%
US 35	5% - 30%
Ohio US Route Average	11%

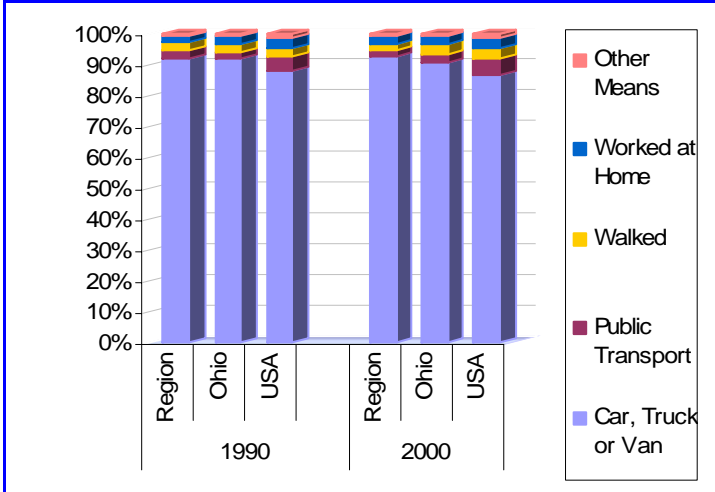
## AIRPORTS

The Miami Valley Region is served by three airports — the James M. Cox Dayton International Airport, located in northern Montgomery County, is served by 14 commercial airlines. The Dayton-Wright Brothers Airport in southern Montgomery County and the Greene County Lewis A. Jackson Regional Airport, situated 8 miles east of Dayton in Beavercreek, serve as general aviation airports.



## MEANS OF TRANSPORTATION TO WORK

Similar to nationwide trends, the automobile is the preferred means of transportation in the Miami Valley Region.



## VEHICLE REGISTRATION

County	Car	Bus	Truck / Trailer	Other	Total Vehicles Registered
Greene	101,062	127	36,280	6,035	143,504
Miami	79,882	69	37,282	5,957	123,190
Montgomery	395,376	863	113,825	18,100	528,164
Warren	114,748	160	44,787	6,723	166,418

## COMMUTING DISTANCE

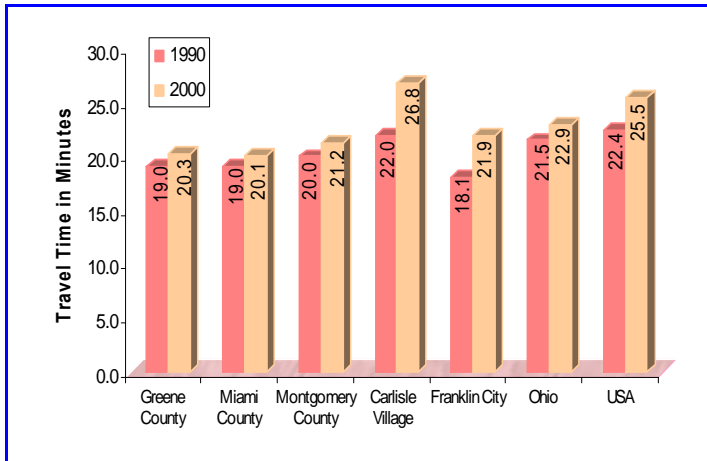
Based on the shortest commuting time network, the average distance to work was calculated for trips in the three-county (Miami, Montgomery and Greene Counties) area.

### Average Distance to Work

Greene County	8.67 miles
Miami County	9.64 miles
Montgomery County	7.68 miles

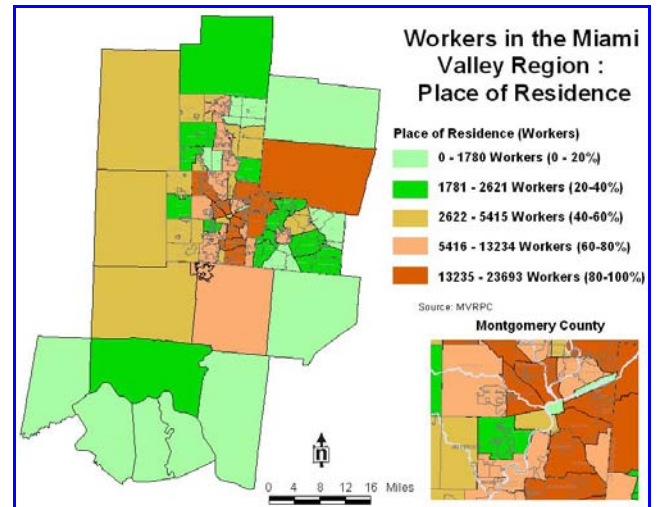
## AVERAGE TRAVEL TIME TO WORK

The average travel time to work in the Region increased by more than 6% from 19.3 minutes in 1990 to 20.5 minutes in 2000.



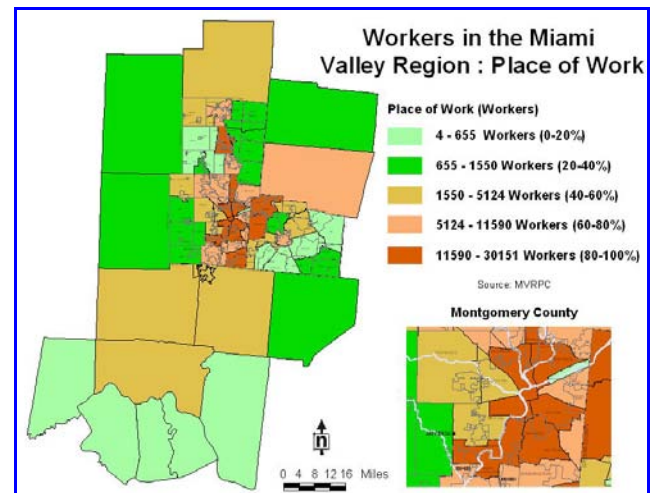
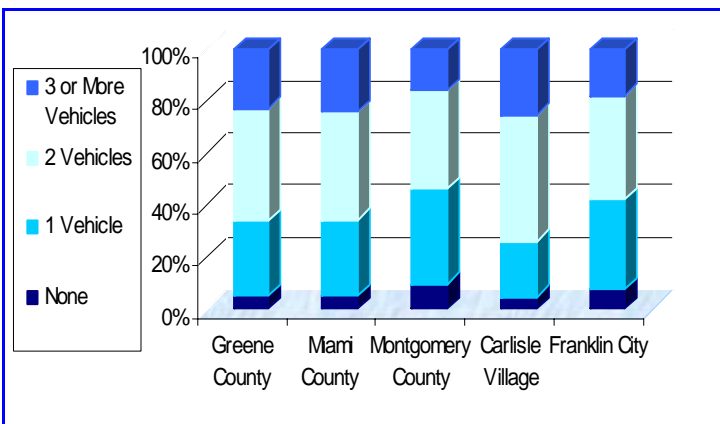
## JOURNEY TO WORK

According to the 2000 Census, the majority of the residents in the Region live and work within the same county, although Montgomery County attracts a significant number of its workers from the surrounding counties.

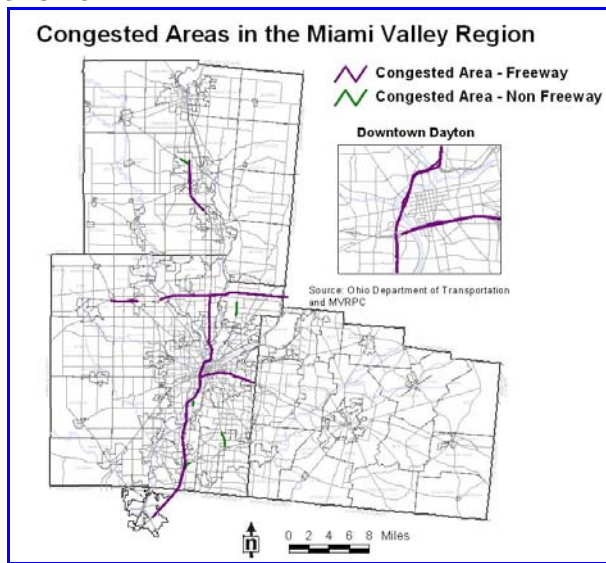


## VEHICLE AVAILABILITY

The percentage of zero car households varies from nearly 10% in Montgomery County to 5% in Carlisle.

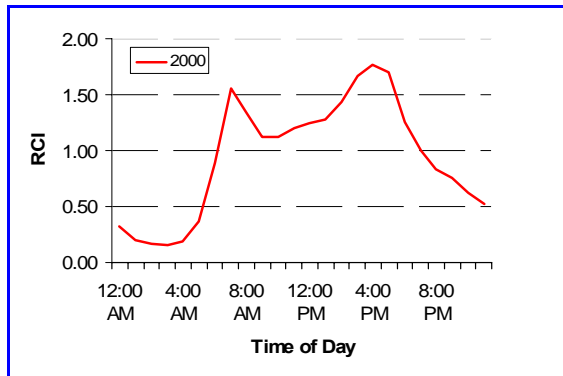


## CONGESTION



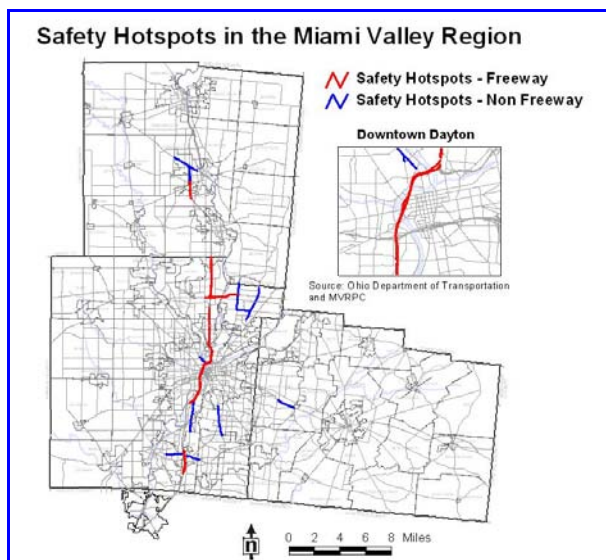
## ROADWAY CONGESTION INDEX

The Roadway Congestion Index (RCI) identifies total recurring delay on both freeways and arterials. This value does not include delay that results from accidents or disabled vehicles. An RCI greater than 1.0 indicates that congested conditions exist area-wide.



## SAFETY HOTSPOTS

Hotspot locations are based on total number of crashes in an area regardless of traffic volume or other factors.



## HIGH CRASH LOCATIONS

The table below describes the top-ten accident locations in the Miami Valley region from 1998 – 2002. The majority of the locations are on I-75 in and around downtown Dayton.

Location	1998-2002 Accidents
I-75 at Keowee St	180
I-75 at SR4	102
I-75 at Stanley Ave	97
I-75 at US 35	76
I-75 at I-70	67
I-75 at Edwin C. Moses Blvd.	55
I-70 at I-75	47
I-75 at Dryden Rd	46
I-75 at Main St	43
I-75 at Third St.	34

## CONGESTED VEHICLE MILES OF TRAVEL (VMT)

• Daily Trips	3,006,000
• Vehicle Miles of Travel (VMT)	17,400,000
• % Congested VMT	4.3%
• Person Delay in Hours	5,000
• Cost of Delay per Day	\$63,000



## FOR MORE INFORMATION

A variety of sources have been used to compile the information in this booklet. They include data from the 1990 and the 2000 US Census, Census Transportation Planning Package (CTPP) Parts I, II and III, the Ohio Department of Transportation, transit agencies in the Miami Valley Region, Miami, Greene and Montgomery Counties and MVRPC.

Please visit [www.mvrpc.org](http://www.mvrpc.org) or contact Ami Parikh at [aparikh@mvrpc.org](mailto:aparikh@mvrpc.org) for more information.

This document is prepared in cooperation with the Federal Highway Administration and Federal Transit Administration, the Ohio Department of Transportation (ODOT), and local communities. MVRPC is responsible for the facts and accuracy of the data.

