



# EASILY ACCESSIBLE MODAL CHOICES

*Tangible Result Driver – Brian Weiler, Multimodal Operations Director*

MoDOT has an active role in all modes of transportation, including rail, air, water, and transit. Transportation is more than highways and bridges. Every day millions of tons of goods move through the state by rail. Thousands of passengers use Missouri's airport facilities. And hundreds of barges navigate state waterways. All of these modes combine to keep Missouri's economy robust and vital.

## Number of airline passengers-12a

**Result Driver:** Brian Weiler, Multimodal Operations Director  
**Measurement Driver:** Joe Pestka, Administrator of Aviation

### Purpose of the Measure:

This measure tracks the number of passengers boarding airplanes at Missouri’s commercial airports. It helps determine the viability of Missouri’s commercial airline industry. This number is also used by the Federal Aviation Administration (FAA) to help determine airports’ capital improvement funding levels.

### Measurement and Data Collection:

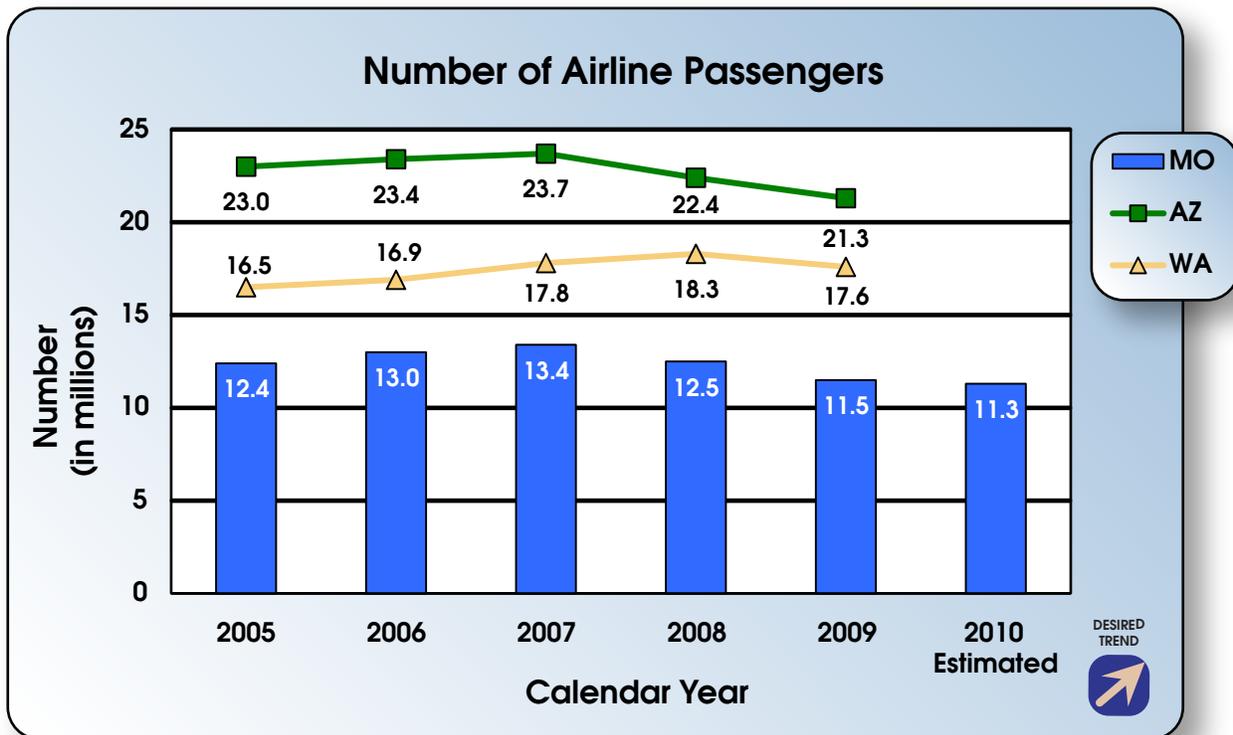
The data is collected annually from FAA. Comparison data has been collected from the same source for the states of Arizona and Washington. These two states were selected based on similar populations in 2004. The annual passenger boardings’ data provided by the FAA is normally published in October for the preceding year. Airline passengers are defined as passengers boarding airplanes. This information is also separated in two graphs showing the number of passengers at St. Louis International and Kansas City International airports, and a graph showing passenger boardings for the other airports in the state. Other airports include:

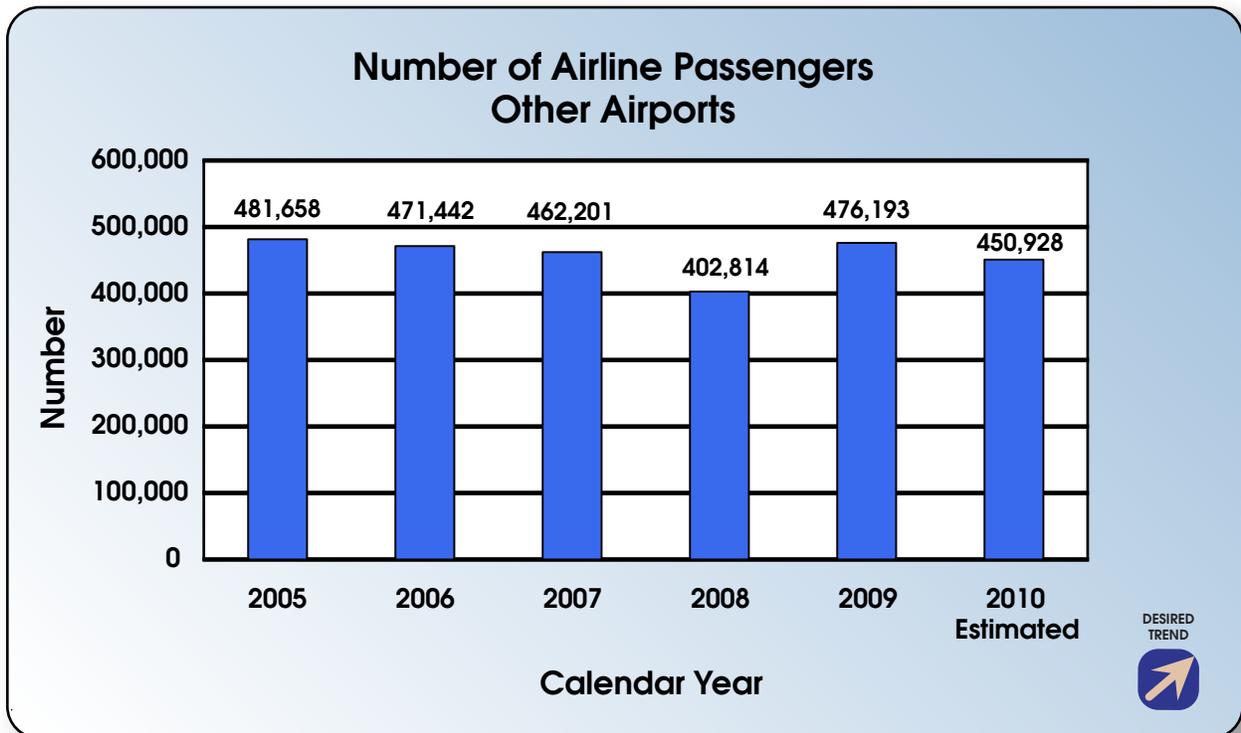
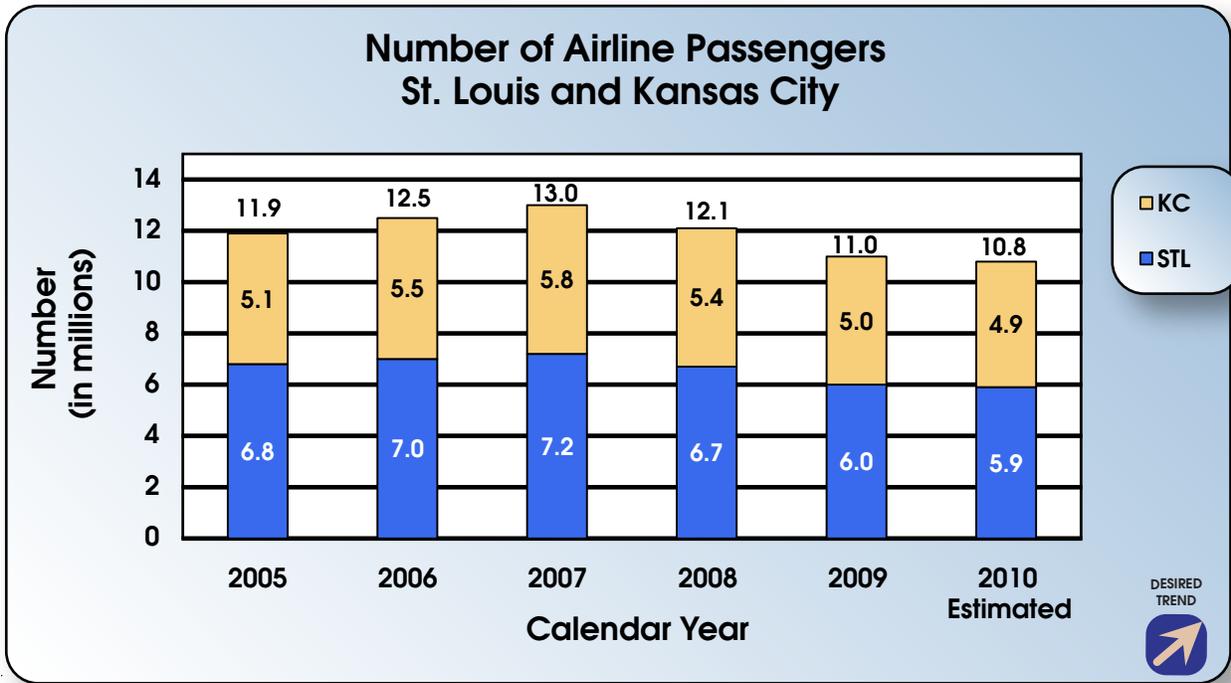
Springfield, Joplin, Columbia, Cape Girardeau, Branson and Waynesville. This measure is updated annually.

### Improvement Status:

Airline passengers have decreased by approximately 200,000 in Missouri from 2009 to 2010. This is a preliminary estimate and will be updated when FAA statistics are published. This decrease has occurred mainly at St. Louis.

State legislation passed in 2008 includes up to \$2 million annually for the study and promotion of expanded domestic or international scheduled commercial service, and for the study and promotion of intrastate scheduled commercial service. Since 2008, \$4 million from the State Aviation Trust Fund have been allocated to air service development at the states’ commercial service airports. In December, MoDOT received a USDOT grant for \$210,000 to assist with air service marketing at airports in Joplin, Columbia and Waynesville.





## Number of business-capable airports-12b

**Result Driver:** Brian Weiler, Multimodal Operations Director

**Measurement Driver:** Joe Pestka, Administrator of Aviation

### Purpose of the Measure:

This measure tracks the number of airports capable of handling business aircraft. Local communities and economic development agencies can use airports to assist in increasing a community’s economic viability for business retention and development.

### Measurement and Data Collection:

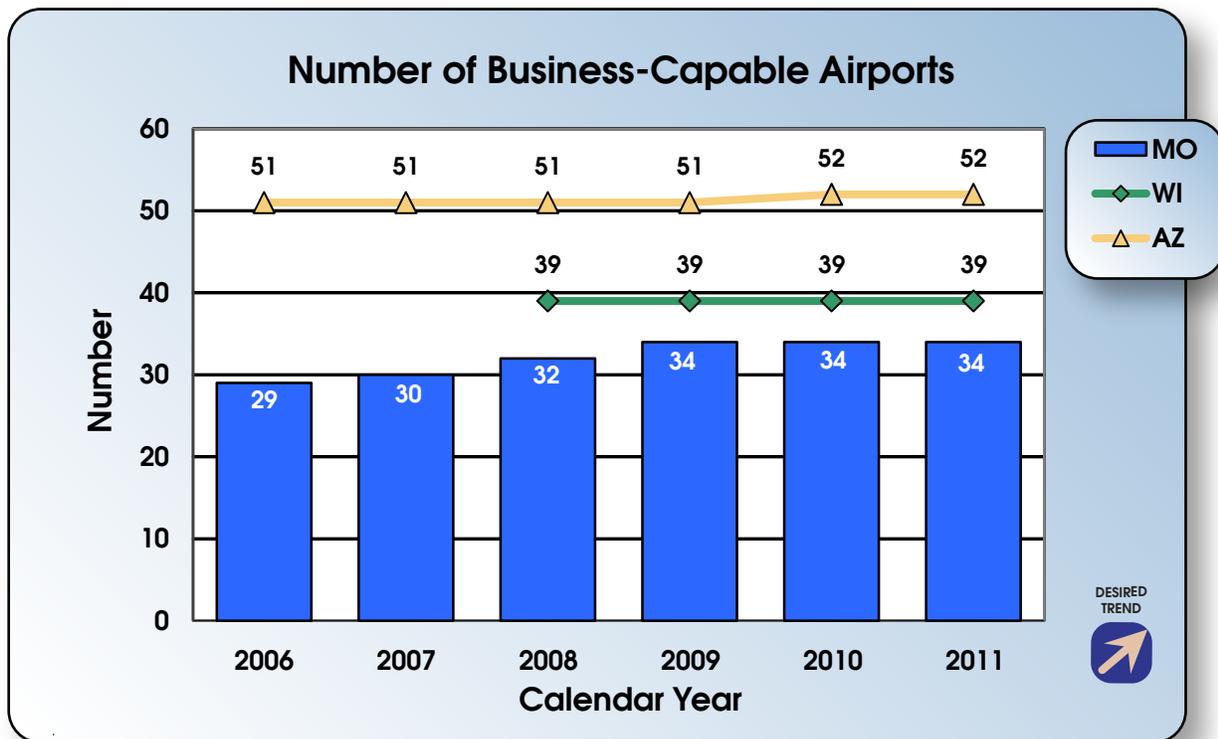
The graph shows the number of business-capable airports. A business-capable airport is defined as accommodating business- or corporate-type aircraft with a runway length of 5,000 feet or more. Comparison data starting in 2005 has been collected from Arizona and from Wisconsin starting in 2008. These states have a population similar to Missouri. Geographically, Wisconsin is similar to Missouri while Arizona is approximately 65 percent larger than Missouri. Data is collected annually by monitoring airport developments and Federal Aviation Administration (FAA) records. Updates to this measure include recording the percent of

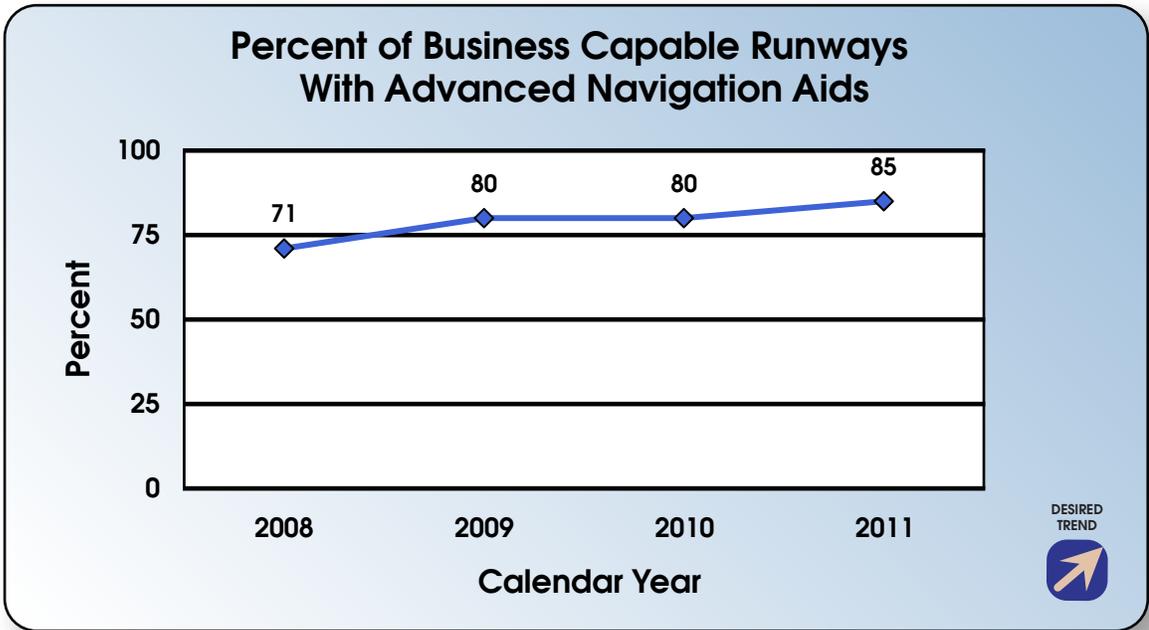
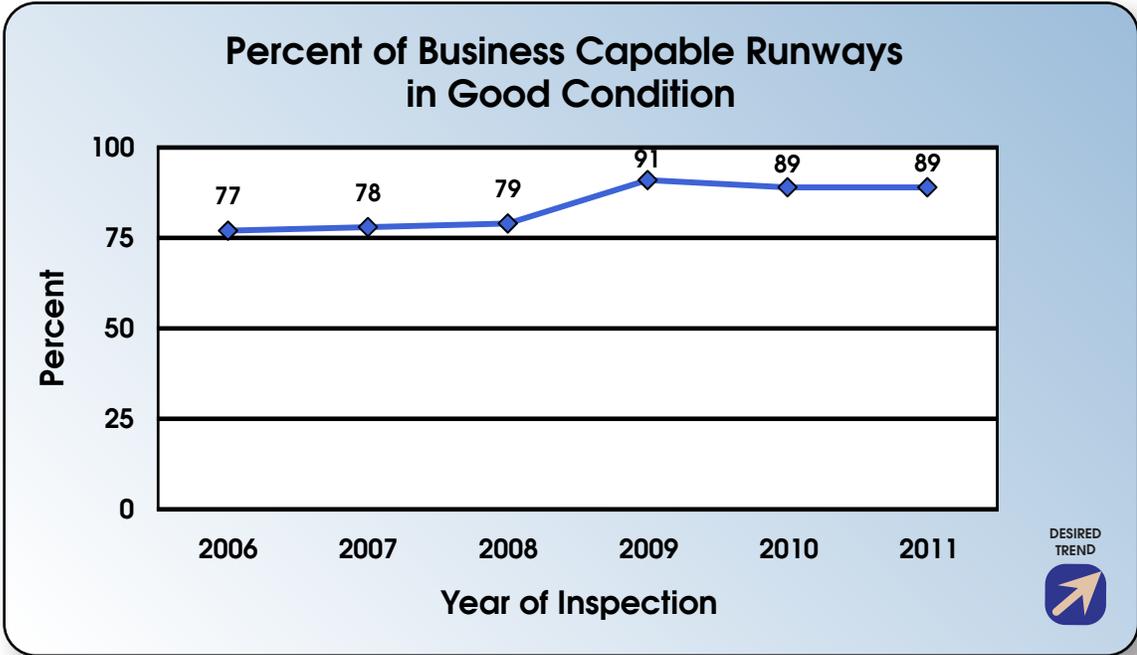
business-capable runways in Missouri that are in good condition. The pavement condition is determined per FAA guidelines and performed by visual inspection. A pavement inspection is completed at each airport either one time yearly or one time every three years.

Also this measure tracks these airports and how accessible they are during inclement weather conditions. The last graph identifies the percentage of runways that maintain advanced navigational capabilities. This measure is updated annually.

### Improvement Status:

MoDOT’s Statewide Transportation Improvement Plan identifies airports that meet the demand criteria and would support the development of a 5,000-foot runway. The MoDOT Aviation Section maintains a development plan for the installation of navigational aids at airports.





## Bicycle and pedestrian activity-12c

**Result Driver:** Brian Weiler, Multimodal Operations Director

**Measurement Driver:** Melissa Anderson, Non-Motorized Transportation Engineer

### Purpose of the Measure:

This measure tracks the activity of bicyclists and pedestrians, and the number of miles of bikeable roads on the MoDOT system. Bikeable roads include those bicyclists tend to favor because of sufficient paved shoulders, low volumes of cars and trucks or other accommodations such as specified bike lanes or share-the-road signs. Local residents and visitors to the state can use the facilities to assist in increasing transportation options, recreation and overall health.

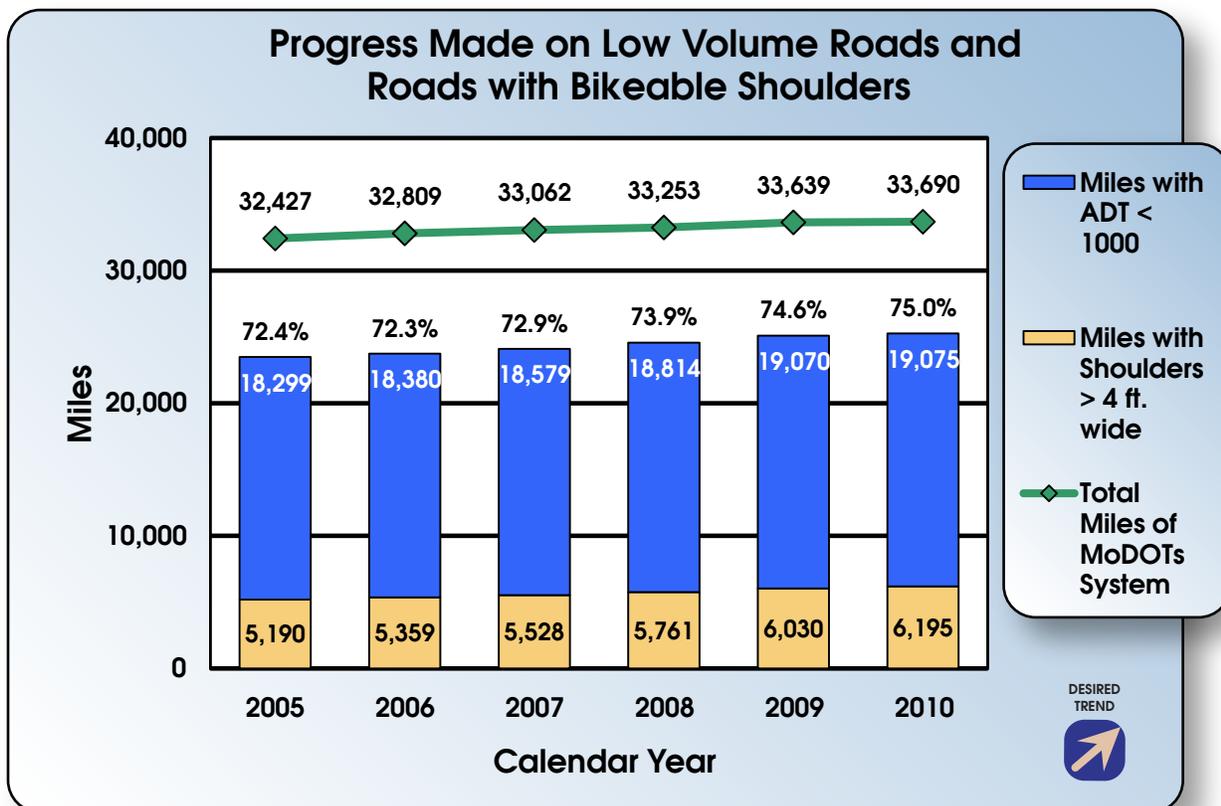
### Measurement and Data Collection:

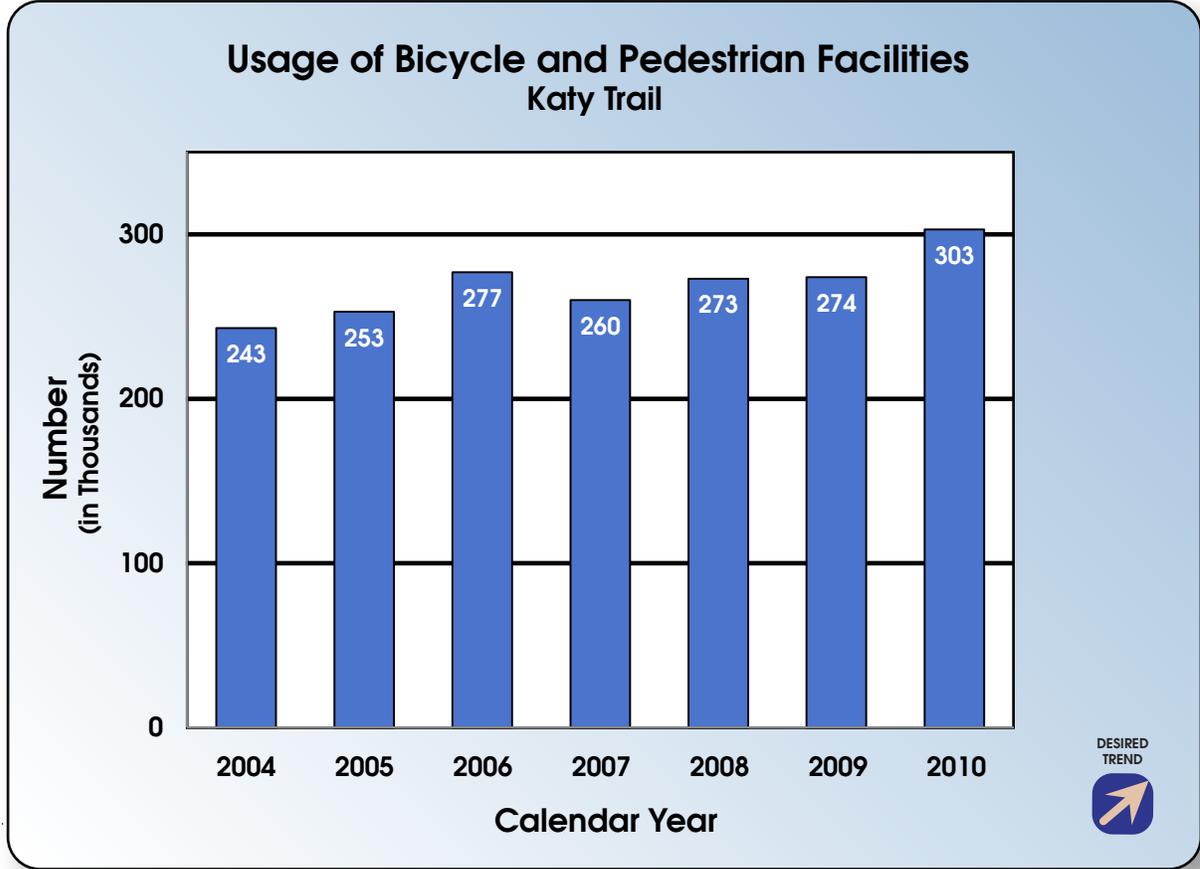
The first graph shows the miles and percent of MoDOT roads that are low volume and those that have shoulders at least 4-feet wide. Roads with these characteristics are frequently sought out by cyclists who may be commuting, traveling across the state or enjoying an energetic recreational activity. This is an annual measure updated each January.

The Katy Trail is being used as a measure of the number of people interested in biking and walking in Missouri. The second graph shows the number of users on the Katy Trail over a seven-year time frame. Use of the Katy Trail is collected annually by the Missouri Department of Natural Resources.

### Improvement Status:

As MoDOT continues to increase biking and walking opportunities, it is expected that the use of the Katy Trail will reflect the increased interest of Missourians in active transportation. An increase in the miles of roads considered bike friendly is the desired trend. Data on miles of bike lanes and shared-use paths will be added when it becomes available.





### Number of transit passengers-12d

**Result Driver:** Brian Weiler, Multimodal Operations Director

**Measurement Driver:** Steve Billings, Administrator of Transit

#### Purpose of the Measure:

This measure gauges the use of public transit mobility services in Missouri. It also provides a historical perspective and trend of public transit service use in Missouri.

#### Measurement and Data Collection:

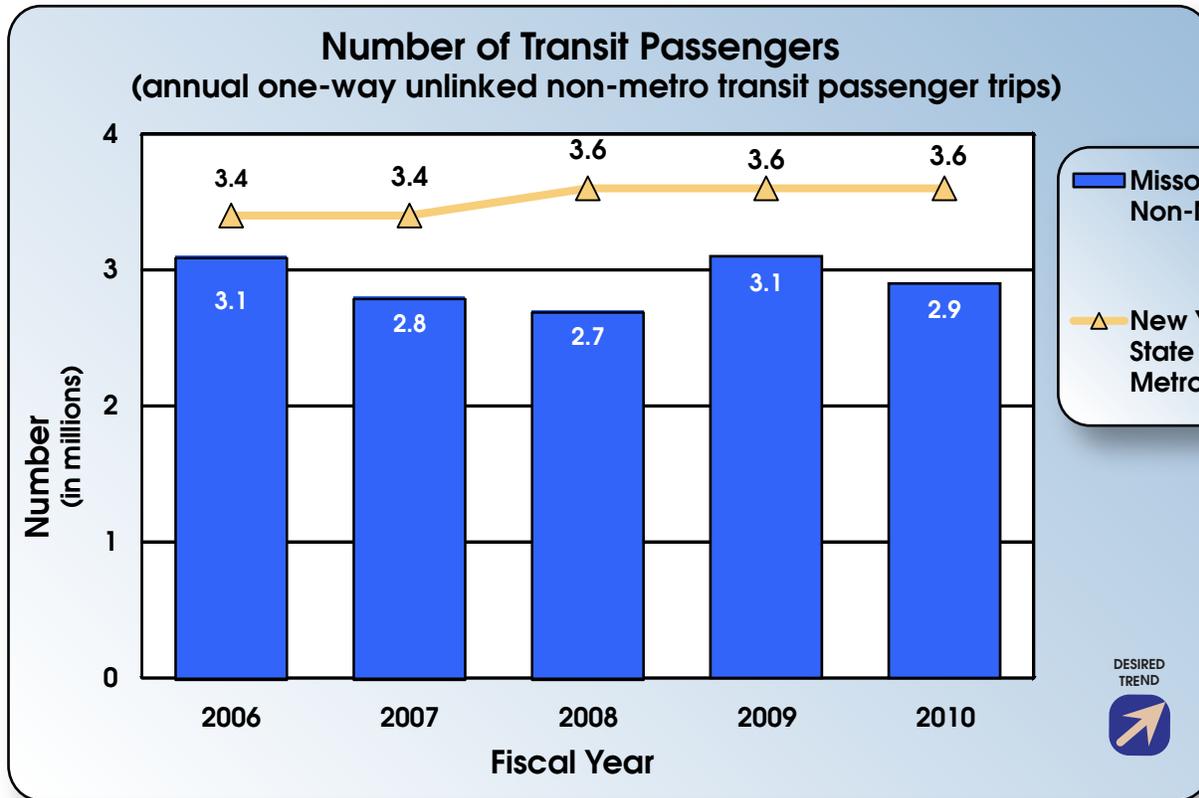
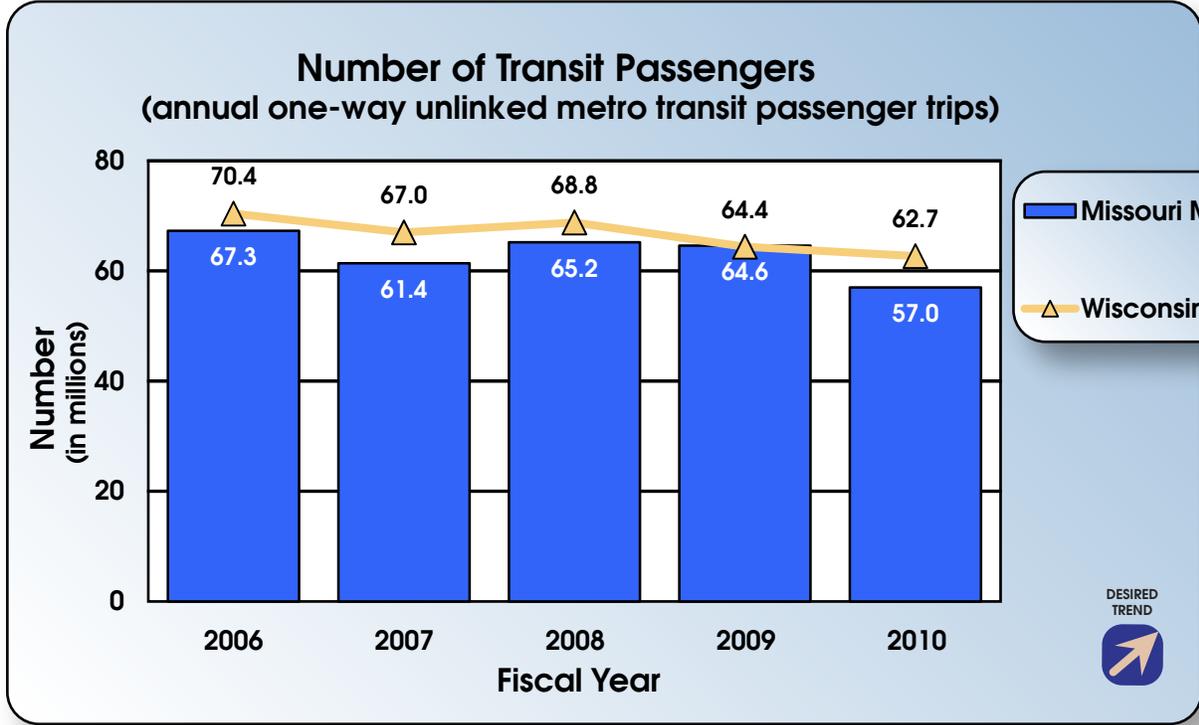
The total number of transit passengers is measured by the annual total of one-way unlinked transit trips taken by passengers on public transit vehicles. Data is obtained from urban and rural providers of general public transit services. Missouri Metro ridership data has been recalibrated for Missouri trips only, rather than “system trips”, that included Illinois trips in the St. Louis area and Kansas trips in the Kansas City area. The non-metro measure is benchmarked to the state of New York, which has a historically high usage of public transit services. The metro measure is benchmarked to Wisconsin, a state with a comparable population. This is an annual fiscal year measure with Missouri data updated in October.

#### Improvement Status:

In 2010, statewide metropolitan transit ridership decreased by 7.6 million one-way unlinked Missouri passenger trips compared to the previous year. Most of that ridership reduction occurred in St. Louis, but ridership losses were also experienced in Kansas City and Springfield. Non-metro (rural) ridership decreased by 0.2 million one-way unlinked trips.

Missouri compared 19 percent below New York State’s non-metro transit ridership in 2010. New York’s rural population in the 2000 Census was 3.4 million or twice as large as Missouri’s rural population of 1.7 million. Missouri’s metro transit ridership in 2006 – 2010 generally tracked that of Wisconsin. The New York and Wisconsin benchmark data is for the calendar year and is currently available through 2010.





## Average number of days per week rural transit service is available-12e

**Result Driver:** Brian Weiler, Multimodal Operations Director

**Measurement Driver:** Steve Billings, Administrator of Transit

### Purpose of the Measure:

This measure identifies the average existing public transit service in rural Missouri by indicating the availability of rural mobility services for employment, medical appointments and necessary shopping.

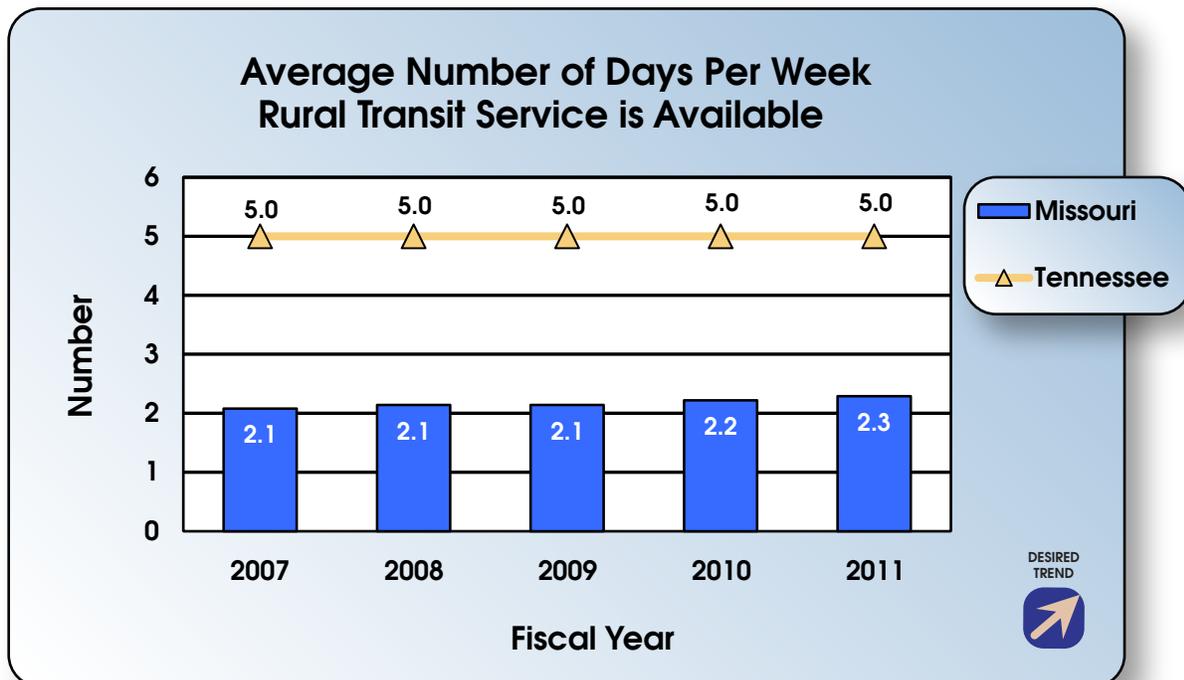
### Measurement and Data Collection:

To calculate the statewide average number of days per week rural transit service is available, MoDOT reviews published transit service schedules for each rural Missouri county. MoDOT then averages these daily frequencies within a week's schedule for available county-wide transit service. Rural transit agencies operate on an annual budget and customarily make transit service changes with the start of a new budget year. The measure is benchmarked to Tennessee, which has a comparable statewide population and some amount of transit service in every rural county as does Missouri. This is an annual measure with updates occurring in April.

### Improvement Status:

Rural transit service at a statewide average of two days per week is not sufficient to support full-time employment for its riders. For 2011, Tennessee deployed more days of rural transit service with five-day-a-week service, subject to available seating. Tennessee in 2008 directed more state funding annually to public transportation (\$17.7 million vs. \$4.1 million in Missouri). Tennessee's transit providers also use pure demand-response dispatching compared to designated daily routes used by OATS and other Missouri providers. However, Missouri's rural transit providers together delivered 2.7 million trips compared to 1.3 million rural transit trips provided in Tennessee based on their most recent 2008 data.

MoDOT also procured rural transit intelligent transportation system (ITS) design services to begin projects to increase transit service through scheduling efficiencies. The initial phase of OATS ITS implementation was completed in March 2011.



## Number of intercity bus stops-12f

**Result Driver:** Brian Weiler, Multimodal Operations Director

**Measurement Driver:** Steve Billings, Administrator of Transit

### Purpose of the Measure:

This measure tracks the number of intercity bus stops. Intercity bus stops represent access points to intercity bus services provided in Missouri by Greyhound, Jefferson Lines, Burlington Trailways and Megabus. More stops among Missouri's 114 counties mean greater access. Fewer stops create a barrier to access by requiring greater traveling distances in order to board an intercity bus.

### Measurement and Data Collection:

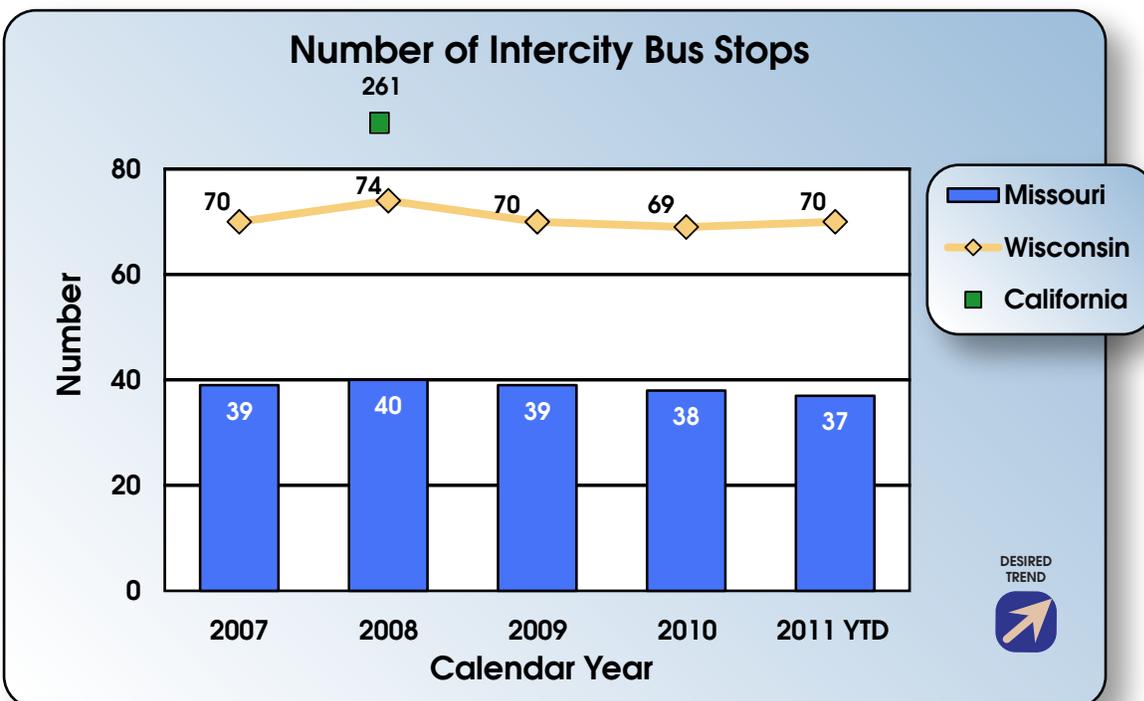
Data on the number and location of intercity bus stops is obtained annually from the national and regional intercity bus carriers. The measure is benchmarked to Wisconsin, which has a comparable total statewide population. An additional benchmark to California was added for 2008. This is a quarterly measure.

### Improvement Status:

The number of Missouri's intercity bus stops has slowly decreased since 2008. Most of the recent incremental growth in Missouri's intercity bus service has increased the schedule frequency for

cities already receiving service rather than creating new bus stops in un-served areas. The stop at Rock Port in northwest Missouri was discontinued in late 2010. The stop at Clinton in west-central Missouri ended service in early 2011. Wisconsin experienced a net gain of one bus stop since the last report. The California bus stop data of 261 intercity bus stops is derived from a 2008 rural intercity bus study concluded that year.

A MoDOT two-year statewide intercity bus study concluded in April 2010. That study's final report recommended improvements for intercity bus stop locations, increased marketing of available services and creation of bus service on the U.S. 36 corridor across northern Missouri, the U.S. 60 corridor across southern Missouri and the U.S. 63 corridor through central Missouri. In February, Greyhound submitted to MoDOT a draft proposal to add service between Springfield and Ottumwa, IA using the US 60 & 63 corridors with eight (8) new stops. Annualized Missouri intercity bus passenger ridership was estimated at 200,000 trips per year.



### Number of rail passengers- 12g

**Result Driver:** Brian Weiler, Multimodal Operations Director

**Measurement Driver:** Rod Massman, Administrator of Railroads

#### Purpose of the Measure:

This measure tracks the number of people using the Amtrak train service in Missouri, including those riding on the state-supported passenger rail trains between Kansas City and St. Louis, the national trains that run through the state and the St. Louis-to-Chicago trains.

#### Measurement and Data Collection:

Data is received monthly from Amtrak providing the number of passengers per train in Missouri. For comparison purposes, the state of Washington's train data is shown due to the state's similar size, population and the fact that Washington has both national and state supported trains. Washington's "Cascades" train service is a national model because the state has for many years invested millions of dollars in both infrastructure and operations. This is a quarterly measure.

#### Improvement Status:

There was a 10 percent increase for passenger rail services on this route between January and March of 2011 when comparing the same months in 2010. For fiscal year 2010, ending June 30, 2010, the total performance was 7 percent more than in fiscal year 2009.

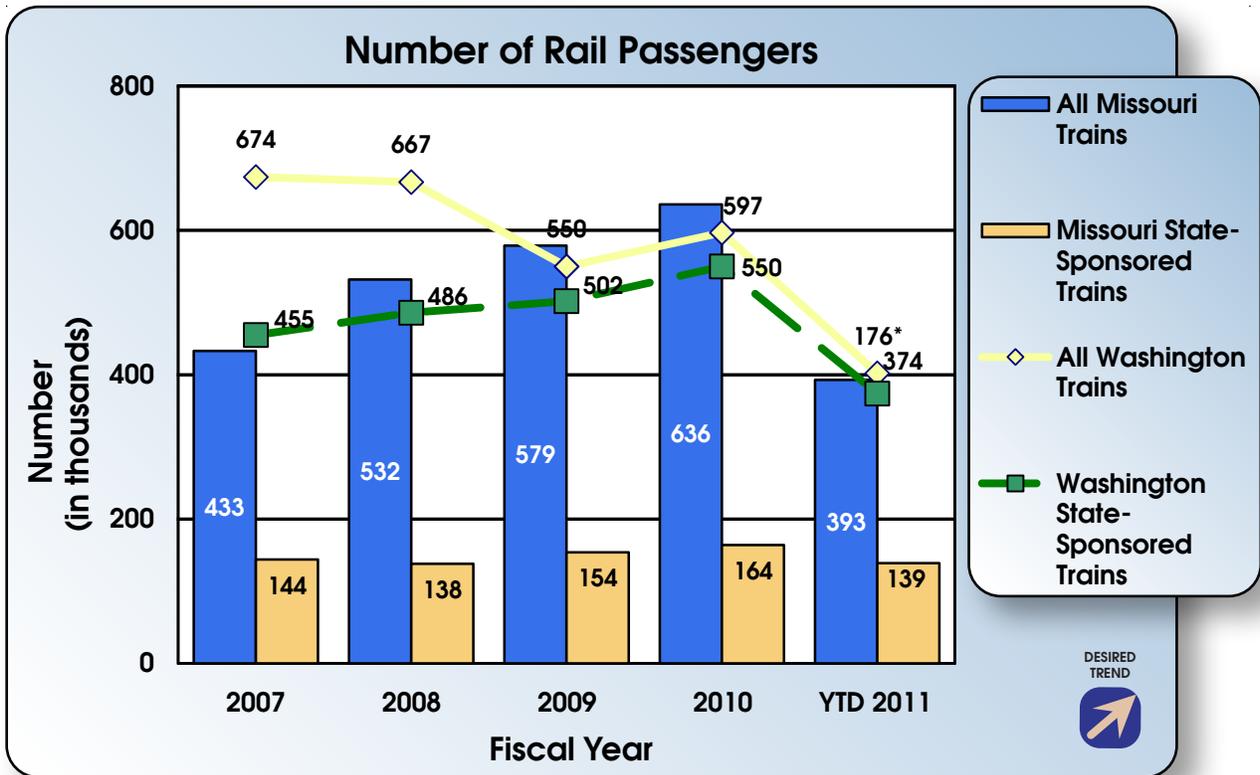
MoDOT continued its publicity efforts through roadside signs, news releases, (including a radio-

station broadcast in which the anchors took the train) a wide-ranging distribution of train schedules, and use of the department's dynamic message signs along the interstate system. These efforts, along with an increase in on-time performance (90 percent in January, 80 percent in February and 91 percent in March) helped increase passenger numbers.

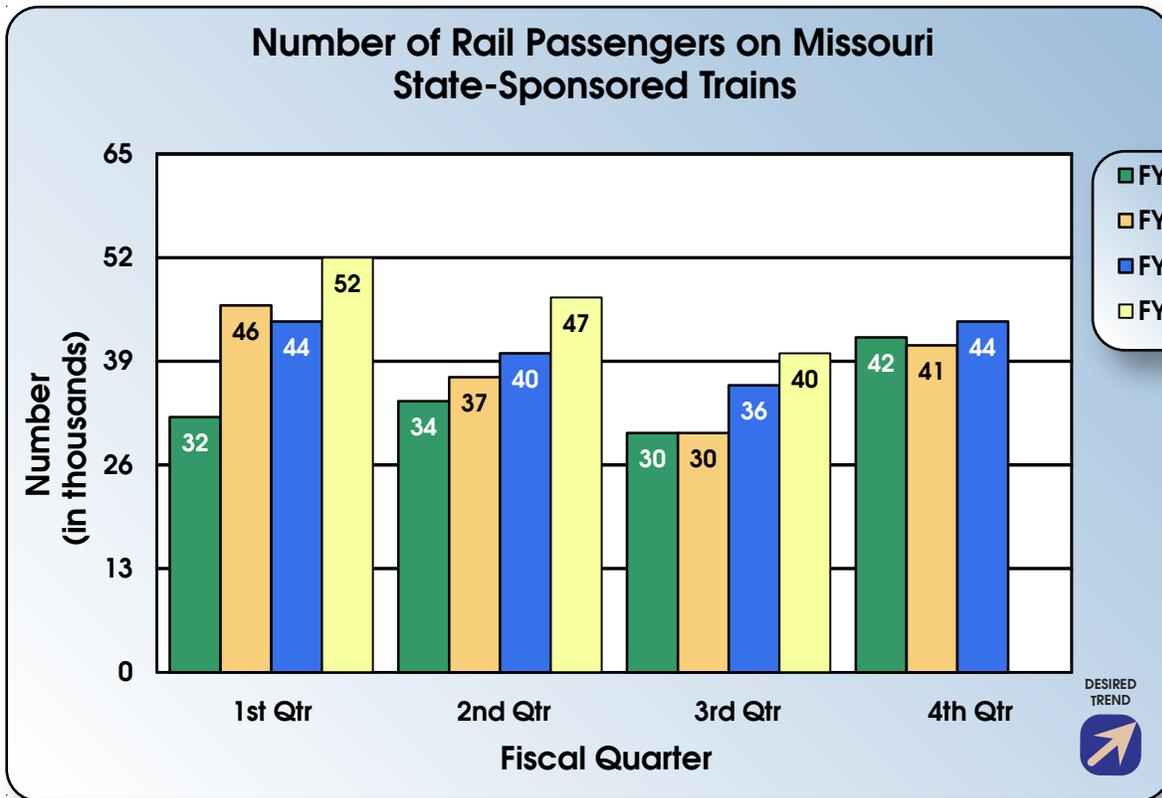
The MoDOT Rail section continues to apply for and receive federal HSIPR grants to improve service. The first group of HSIPR grants for construction was awarded in early 2010. A second group of planning applications was also granted to plan six more miscellaneous projects along the route. All of these projects are currently in various stages of obligation, grant agreement/design, or finalization/review. Some of them are in preparation for construction and some are for preparation to resubmit projects in future application opportunities.

Another project for construction was let this quarter for design on the Terminal Railroad in St. Louis. Each of the previously mentioned project applications follows the general aim of a 2007 University of Missouri study, which is to remove bottlenecks and to increase on-time performance that makes rail passenger service better and more easily accessible.





\*The figure for "All Washington Trains" is for July 2010 through February 2011 because YTD data is unavailable.



### State funding for multimodal programs-12h

**Result Driver:** Brian Weiler, Multimodal Operations Director

**Measurement Driver:** Lisa Hueste, Resource Management Specialist

#### **Purpose of the Measure:**

This measure provides the history of state funding appropriated by the Missouri state legislature for multimodal programs that include transit, rail, air and waterways.

#### **Measurement and Data Collection:**

This is an annual measure updated each July. State funding for multimodal programs is determined by the amount of revenue the state collects each year. MoDOT has several funds dedicated to multimodal programs for assisting Missouri citizens.

In addition, multimodal programs also receive state general revenue funding. The governor may withhold funds during the fiscal year to ensure a balanced budget. The spending of funds throughout the fiscal year must be requested and authorized by MoDOT and the state legislature. The legislature may also deal with funding issues for spending through bills filed by the state legislature.

#### **Improvement Status:**

State funding for multimodal programs increased as a result of action taken during the 2010 legislative session. After the governor withheld \$6 million, the programs received \$17.1 million for fiscal year 2011 compared to a total appropriated amount of \$23.2 million.

The percent of difference between state funding for multimodal programs less withholdings compared to appropriated amounts in fiscal year 2011 was 26 percent. The same funding differential in fiscal year 2010 was 12 percent. The transit program has seen the largest withholdings of \$6.9 million over the past two years.

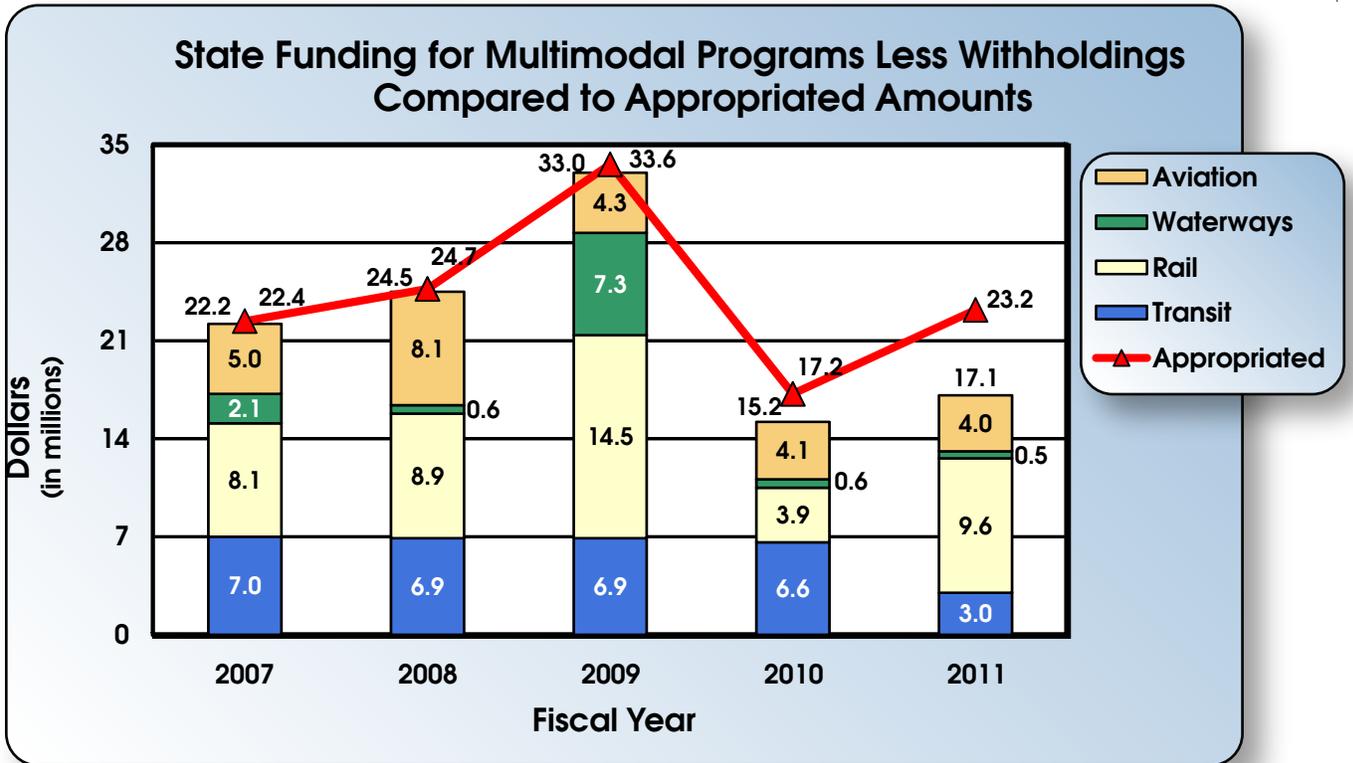
State funding for transit decreased \$3.6 million, from fiscal year 2010, because of withholdings. Declining revenues in general revenue and the State Transportation Fund decreased the Transit and Missouri Elderly and Handicapped Transportation Assistance programs \$.6 million for fiscal year 2011. The Kansas City Area Transportation Authority received \$3 million in one-time funds. However, this amount has been withheld for fiscal year 2011. In addition, \$3 million from the transit program was also withheld from the appropriated amount because revenues have declined further since the legislative session ended.

State funding for rail increased \$5.7 million more than fiscal year 2010. Funding for Amtrak's daily rail service in 2011 was switched by legislators from \$5.5 million of federal funding to state funding. At the same time, legislators decreased this amount 10 percent, or \$900,000, from fiscal year 2010. Total funding increased from \$7.9 million (\$1.1 million withheld in 2010) to \$8.1 million in 2011.

Waterways funding was decreased \$100,000 due to declining revenues.

The aviation program decreased \$100,000 due to declining revenues. Revenue for aviation jet fuel tax has declined 49 percent, or 4.1 million, since 2008.

MoDOT and its external multimodal program partners informed legislators of the importance of how multimodal programs can effectively use state funds. The programs improve economic development and provide needed services for Missouri's citizens.



## Percent of customers satisfied with transportation options-12i

**Result Driver:** Brian Weiler, Multimodal Operations Director

**Measurement Driver:** Eric Curtit, Long-Range Transportation Planning Coordinator

### Purpose of the Measure:

This measure provides information about the public's perception of MoDOT's performance in providing transportation options other than Missouri's personal vehicle.

### Measurement and Data Collection:

Data is collected through a telephone survey each May from interviews of approximately 3,500 randomly selected adult Missourians with an overall margin of error of plus or minus 2 percent. This is an annual measure updated in July.

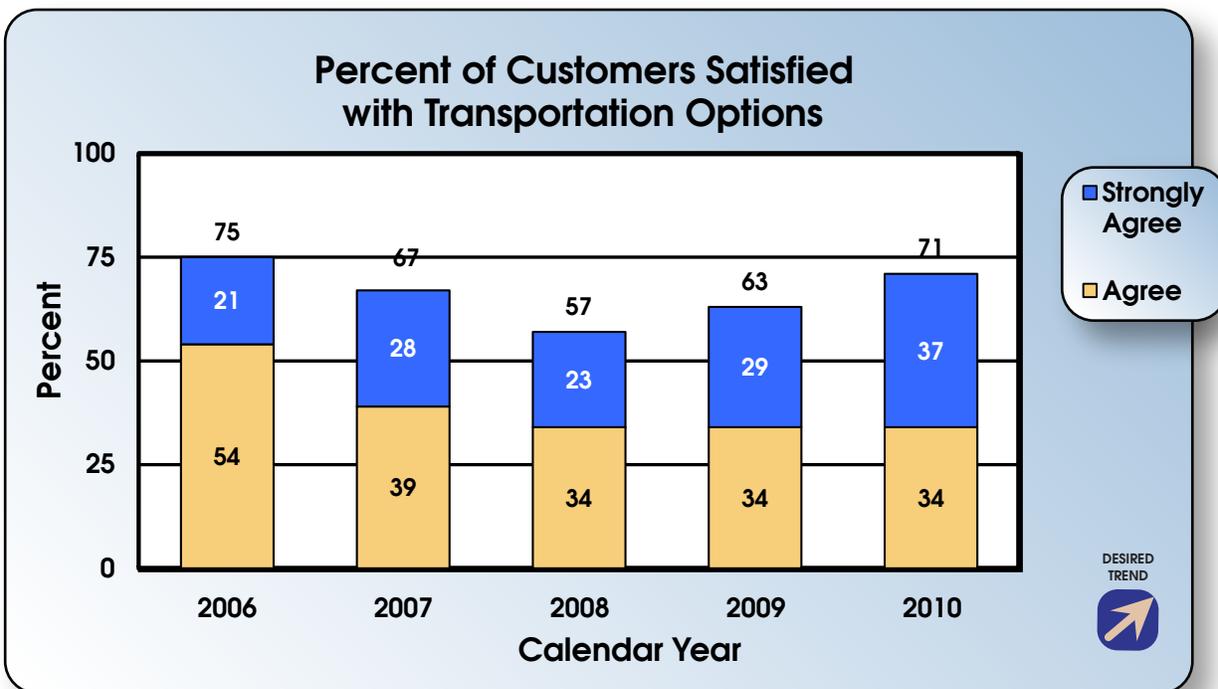
### Improvement Status:

Seventy-one percent of MoDOT's customers are satisfied with transportation options in Missouri. This measure increased by 8 percent from last year's results. There was a 7 percent increase in customers who strongly agree they are satisfied with transportation options. This marks the first time in

more than five years that more Missourians strongly agree with transportation options than agree.

The increase in satisfied customers from 2008- 2010 can be attributed to several factors. During the last year, the residents of the St. Louis region passed a ballot initiative to increase transit service and MoDOT received American Reinvestment and Recovery Act funds to improve passenger rail service between St. Louis and Kansas City.

MoDOT continues to emphasize transportation improvements in all modes including increased services to public transportation, more reliable passenger rail service and port enhancements. Gas prices remain below peak levels experienced in 2008, and this appears to correlate with Missourians satisfaction regarding transportation options.



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