

2014 Mobility Report Highlights



CONGESTION FACTS IN 2013:

- In 2013, VMT in Maryland reached 56.5 Billion miles. This represents a 0.2% increase over 2012. About 71% of the VMT occurred on state and toll maintained roadways.
- The total estimated cost of congestion on the Maryland freeways/expressways in 2013 was \$775 Million. Motorists traveling on Maryland freeways/expressways experienced a total annual delay of 21.2 million hours and consumed 8.5 million gallons of extra fuel due to congestion.
- In 2013, on Maryland freeways/expressways, 16% of the AM peak hour VMT and 22% of the PM peak hour VMT was in congested conditions compared to 23% and 33% (AM and PM peak hour respectively) in 2012.
- 6% of the state highway lane mileage for multi-lane arterials and 1% of the state highway lane mileage for two-lane arterials operate in LOS F conditions. Sample data shows that 88 state highway intersections operated at failing levels of service.

What is SHA doing to improve Mobility of our highway system?

SHA implements various projects, programs and policies to enhance mobility on its facilities. Our approach includes:



What is the outcome of SHA's Mobility Initiatives?

The mobility solutions implemented by SHA projects, programs and policies result in user cost savings for automobile and truck travel. In 2013, annual user savings included:

$$\begin{array}{r}
 \$1.16 \text{ Bil.} \\
 \text{CHART}
 \end{array}
 +
 \begin{array}{r}
 \$5.7 \text{ Mil.} \\
 \text{Capital} \\
 \text{Improvements}
 \end{array}
 +
 \begin{array}{r}
 \$39.8 \text{ Mil.} \\
 \text{Signal Systems \&} \\
 \text{Multimodal Strategies}
 \end{array}
 =
 \begin{array}{r}
 \$1.206 \text{ Bil.} \\
 \text{Total Savings}
 \end{array}$$



SHA Programs and Projects in 2013:

- CHART responded to and cleared more than 17,000 incidents and assisted almost 27,000 stranded motorists in 2013. CHART expanded its traffic patrols to 24/7 operations in metropolitan areas (Baltimore, Frederick and Washington, D.C. area). By effectively managing the roadway incidents, the CHART program implementation resulted in \$1.16 Billion of annual user costs savings in 2013.
- In 2013, SHA retimed 222 signalized intersections which included 29 signal systems on state highways. This resulted in an average 8% delay reduction and an annual user cost savings of \$29.4 million dollars.
- The reconstruction of the I-695/Wilkens Avenue interchange and the construction of a new interchange at MD 32/ Linden Church Road was completed in 2013. These major projects are projected to result in an annual user cost savings of \$3.3 million. SHA completed four minor congestion relief projects at MD 30/MD 91, MD 27/ Sweepstakes Road, MD 108/Bowie Mill Road and US 40/MD 63 intersections. These projects result in a \$2.4 million annual cost savings.
- The final section of the Intercounty Connector (ICC)/MD 200 from I-95 to US 1 opened to traffic in November 2014. Traffic usage on the existing section from I-270 to I-95 is increasing with average usage of 31,000 to 35,000 vehicles per day.
- The MDTA completed construction of the I-95/I-895 interchange for general purpose motorists. The section of I-95 from I-895 to MD 43, the first express toll lane facility in Maryland opened for operations in December 2014.
- Supported economic vitality by processing 139,000 oversize/overweight truck load permits.
- Doubled the number of truck parking spaces at the I-95 South Welcome Center in Howard County. That brings the total number of truck parking spaces to 61 and improves safety to by reducing truck parking on state roadways.
- Completed lighting upgrades for park and ride lots statewide, installing 735 LED roadway luminaries. The Park and Ride program resulted in \$5.9 Million annual user cost savings to the 7,500 motorists that park at these lots.
- The HOV operations on I-270 corridor resulted in \$4.5 Million in annual user cost savings and saved motorists up to 16 minutes in travel time.
- Reconstructed 21 miles of existing sidewalk and built 8 miles of new sidewalk. Over 50 intersections were upgraded with accessible pedestrian signals increasing compliance with the American with Disabilities Act (ADA).
- The directional miles of bicycle facilities along SHA roadways was increased by 67.