

2016 Mobility Report Highlights



Congestion Facts in 2015:

- In 2015, VMT in Maryland reached 57.3 billion miles. This represents a 1.6% increase over 2014. About 72% of the VMT occurred on state and toll maintained roadways.
- The total estimated cost of congestion on the Maryland freeways/expressways in 2015 was approximately \$2 billion. This represents an increase of approximately \$350 million over 2014. Motorists traveling on Maryland freeways/expressways experienced a total annual delay of 47.9 million hours and consumed 22.6 million gallons of extra fuel due to congestion.
- In 2015, on Maryland freeways/expressways, 18% of the AM peak hour VMT and 27% of the PM peak hour VMT was in congested conditions compared to 16% and 24% (AM and PM peak hour respectively) in 2014.
- The most significant locations for congestion in the AM peak hour are I-495 Outer Loop (West of I-95), I-695 Outer Loop (North of US 1), US 50 Westbound (West of MD 202) I-270 Southbound (South of I-370) and I-695 Outer Loop (South of I-795). In the PM peak hour, the most congested freeways are I-495 Inner Loop (North of Virginia State Line), I-270 West Spur Southbound, I-495 Outer Loop (South of the I-270 West Spur), I-695 (East of MD 139) and I-95 Southbound (I-495 to MD 295).

Governor Larry Hogan announced \$1.97 billion in funding to upgrade highways and bridges throughout the State over the next six years. Maryland has a renewed commitment to infrastructure investment to ensure safe and reliable travel of people and goods. This influx of new funding allows us to address long-standing highway needs and reduce severe congestion to make Maryland more attractive for economic development. MDOT SHA continues to focus on a performance based approach and implements policies, programs and projects to provide its users with a high quality safe, efficient and reliable highway system.

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

SHA implements various projects, programs and policies to enhance mobility on its facilities.



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 2015, annual user savings included:

\$1,360 Mil. + **\$40 Mil.** + **\$93 Mil.** = **\$1.46 Bil.**

CHART Capital Improvements Signal Systems Multimodal Strategies Total Savings



MDOT Programs and Projects in 2015:

- CHART responded to and cleared more than 35,000 incidents and assisted almost 43,000 stranded motorists in 2015. CHART partners to provide 46 full time 24/7 patrols in metropolitan areas (Baltimore, Frederick, Annapolis, and Washington, D.C. area). The CHART program resulted in \$1.36 Billion of annual user costs savings in 2015.
- In 2015, SHA reviewed signal timing on 43 systems accounting for 340 intersections. This resulted in an estimated delay reduction of almost 800,000 hours of delay and 248,000 gallons of fuel savings and an annual user cost savings of \$29.3 million dollars.
- MDOT/SHA completed nine projects including three roundabouts (MD 20 @ MD 291, MD 144 @ MD 910C and MD 822 @ MD 675), four intersection improvements (MD 586 @ Ferrara Ave, MD 185 @ Jones Bridge Rd, MD 349 @ Crooked Oak Lane and US 13 Business @ S. Division St) and two widenings (US 15 northbound between Motter Avenue and MD 26; and MD 4 eastbound between MD 235 and Patuxant Blvd). These projects are projected to result in an annual user cost savings of \$4.25 million.
- A new interchange project was completed on I-95 at Konterra Drive to improve accessibility to the West Laurel area and increase the prospects for economic development.
- The Intercounty Connector (ICC)/MD 200 from I-270 to I-95 is averaging more than 45,000 vehicles per day on most sections, an increase of 75% over the last four years.
- The first express toll lane facility in Maryland along I-95 from I-895 to MD 43 has improved travel times by 20-40% in the peak hour peak direction. Volume exceeds 22,000 vehicles per day using the express toll lanes.
- SHA is developing a Transportation Systems Management and Operations (TSM & O) strategic/implementation plan for improving travel time reliability.
- The expansion of truck parking spaces was completed for the US 301/MD 834 Bay County Rest Area in Queen Anne's County and the I-95 South Welcome Center in Howard County. In addition, eight projects were completed to improve railroad grade crossings statewide.
- The Park and Ride program resulted in \$58 Million annual user cost savings to over 7,000 motorists that park at these lots.
- The HOV operations on I-270 corridor resulted in \$5.3 Million in annual user cost savings and saved motorists up to 16 minutes in travel time.
- Eleven (11) miles of new sidewalk and 13 miles of marked bicycle facilities were constructed. Over 68% of the state signalized intersections have accessible pedestrian signals increasing compliance with the American with Disabilities Act (ADA).
- FHWA's Strategic Highway Research Program has awarded SHA \$2 million in implementation assistance to advance mobility performance management.

FOR MORE INFORMATION, PLEASE CONTACT:

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