

MDOT SHA ACCOMPLISHMENTS

MDOT SHA uses a combination of policies, programs, and projects to address congestion and reliability challenges. In 2016, various MDOT SHA Congestion Management efforts resulted in more than \$1.63 billion of annual user savings by reducing delay, fuel consumption and emissions. A summary of the accomplishments associated with these efforts to improve mobility include:

CHART

- Coordinated Highways Action Response Team (CHART) program efforts included clearing more than 30,000 incidents and assisting approximately 42,000 stranded motorists on Maryland roadways.
- CHART's commitment to improve mobility, reliability, and safety has resulted in a reduction of an estimated 43.6 million vehicle hours of delay amounting to over \$1.5 billion in user savings.
- The I-270 Innovative Congestion Management Project was initiated in 2016 which provides a unique method to improve operations, faster travel times and maximize vehicle thru-put.

2016 USER SAVINGS DUE TO MDOT CONGESTION MANAGEMENT

CHART	\$1,500 Million
Signals	\$29 Million
Capital Projects	\$50 Million
Park and Ride Program	\$55 Million
	\$1,634 Million

SIGNALS

- Traffic signal timings were reviewed for 35 signal systems including 306 signals and retiming 202 of those signals. The retiming of traffic signals resulted in \$29 million annual user savings.
- MD 24 was the second major corridor where a smart adaptive signal system was implemented.

CAPITAL PROJECTS

- There were eleven mobility projects completed in 2016, mainly at intersections. This included US 220 @ Louise Drive, MD 2 @ MD 255, MD 2 @ Earleigh Heights Road/Magothy Bridge Road, MD 32 @ MD 97, MD 140 @ Pleasant Valley Road South, MD 22 @ Old Post Road and MD 119 @ Orchard Ridge Drive/Kentlands Boulevard. The final two projects included constructing a new interchange on MD 5 to improve access to the Branch Avenue Metro Station and widening along MD 355 between Center Drive and West Cedar Lane. These projects are projected to result in an annual user savings of \$50 million.
- Several mobility improvement projects are under construction as part of Governor Hogan's transportation investment program. This includes the widening of I-695 from US 40 to MD 144, widening of US 29 from Seneca Drive to MD 175 and the November 2017 completion of MD 404 in Caroline County.

MULTI-MODAL STRATEGIES

- MDOT focuses on a Complete Streets approach to all highway projects and completed several pedestrian and bicycle projects. This includes construction of nine miles of new sidewalk and approximately 88 miles of marked bicycle lanes and six miles of marked shared use bike lanes. The number of accessible pedestrian signals increased by 5% statewide and the number of sidewalks now ADA compliant exceeds 80%.
- Park and ride lots allow for more than 6,700 motorists on a given weekday to connect to transit or ride with other commuters at 106 locations operated in 20 counties. This provided a savings of more than 101 million annual VMT and user savings of \$55 million.
- HOV lanes are provided on the I-270 and US 50 corridors to encourage ridesharing and increased person throughput. The I-270 HOV lanes provide as much as 20 minutes in the morning and 25 minutes in the evening in travel time savings. Person throughput along the corridor is substantially increased with a HOV lane accommodating as much as 600 additional people compared to a non-HOV lane.