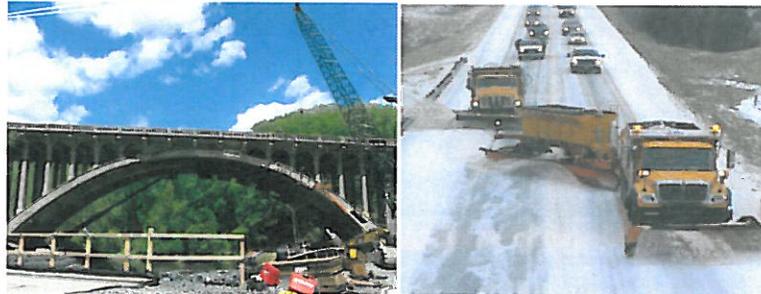


Walk Smart! Pedestrian Safety Campaign

SHA teamed up with the Town of Ocean City, Maryland Highway Safety Office, Maryland State Police and local businesses and agencies to turn the tide on increased pedestrian crashes in the resort town. By effectively harnessing the three “E’s” of safety - engineering, education and enforcement - in the Walk Smart! campaign, the 2013 summer season saw more than a 50 percent reduction of pedestrian incidents on Ocean City’s roads and no pedestrian fatalities!

Ocean City becomes one of Maryland’s largest cities during the summer with a changing population each week. The Walk Smart! campaign needed to not only remain fresh and engaging but to reach people as they were traveling Coastal Highway, the main highway in Ocean City. Enter the iconic Maryland crab who teaches the rules of the road. Messages were displayed on transit, plane banners, boats, roadside billboards as well as TV and radio commercials. Grassroots partnerships with popular bars, restaurants, hotels and religious institutions expanded the audience.

At summer’s end, nearly 70 percent of those surveyed were familiar with the Walk Smart! message. Plans are underway to continue and expand Walk Smart! in 2014.



A Message from the SHA Administrator

Dear Customer:

Fiscal Year 2013 was very significant for the State Highway Administration (SHA). We remained focused on safety, environmental responsibility, road maintenance and customer service and began moving forward with projects that had been delayed due to funding constraints.

When Governor O’Malley signed the Transportation Infrastructure Investment Act of 2013 into law, we stepped into action. We spent the latter part of FY 13 priming the pump to finish designs, advertise for construction and prepare the industry for a 40 percent increase in spending that will support thousands of jobs across the state. The work in FY 13 will pay off in 2014 and beyond as construction starts on major projects, including the next phase of MD 404 on the Eastern Shore, US 29 widening in Howard County and MD 5 Metro access improvements in Prince George’s County and many others.

During FY 13, we finished several major reconstruction projects and smaller, but just as critical, safety enhancements and upgrades. In fact, an aggressive bridge reconstruction program increased the percentage of SHA’s 2,572 bridges rated in fair or better condition to a record high of 97 percent. SHA also deployed technologies to aid in weather emergencies, including double wing plows and tow plows that make one truck as effective as three. From an environmental standpoint, SHA made strides with key projects to improve water quality and minimize impact from construction.

The next six years will be just as busy – a challenge we welcome. The agency’s employees are dedicated to serving the public – with many unsung heroes quietly performing their duties to keep travelers safe. I appreciate their service.

Thank you for your interest in SHA, our accomplishments and our goals. As you travel throughout Maryland, please drive carefully and remain alert, always buckle up and share the road with cyclists, pedestrians, motorcyclists and other vehicles. We’re all in this together.

Sincerely,

Melinda B. Peters, SHA Administrator

Overview

The Maryland State Highway Administration (SHA) roads are the backbone of Maryland’s transportation system, providing mobility and access for people and goods from and through Maryland. SHA operates, maintains and rebuilds the numbered, non-toll routes in Maryland’s 23 counties – more than 17,000 lane-miles and 2,572 bridges. SHA roads carry 66 percent of the state’s traffic and 85 percent of its truck freight. SHA delivers more than \$1 billion of work annually that is competitively awarded to private entities, sustaining thousands of jobs in the highway industry for contractors, suppliers, engineering firms and small and minority businesses.

Mission

Provide a safe, well-maintained, reliable highway system that enables mobility choices for all customers and supports Maryland’s communities, economy and environment.

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TOP ACCOMPLISHMENTS IN FY 2013

Highway Safety

- Maryland's pedestrian fatality numbers decreased eight percent from the previous year to 96* in CY 2012.
- Injuries on all Maryland roads decreased by one percent from the previous year to 44,048* in CY 2012. Traffic injuries have steadily decreased since 2001, when there were 60,051 injuries.
- Completed eight pedestrian road safety audits in Ocean City, Langley Park and Montgomery County, implementing short- and long-term pedestrian safety enhancements.
- Worked, along with other stakeholders, including the Maryland State Police, on a new automated crash reporting system (ACRS), which is expected to improve crash reporting data timeliness.

*As of February 2014; crash data is preliminary.

Mobility/Economy

- Effectively managed roadway incidents, saving travelers approximately \$1 billion in user costs in CY 2012.
- Released the 2013 Maryland State Highway Mobility Report summarizing highway system congestion and reliability, with key arterial routes added for performance evaluation and tracking. As a result, SHA was able to advance project development activities focused on key bottlenecks.
- Increased percentage of ADA-compliant sidewalks on SHA-maintained roadways to 63 percent, as of FY 2013.
- Increased camera video interoperability with other regional agencies, which allowed access to 682 cameras, improving traffic monitoring and emergency response.
- Installed pavement markings on 66 miles of SHA roadways to increase bicycle accessibility, as of FY 2013, a 15 percent increase from FY 2012.

System Preservation and Maintenance

- In CY 2013, 100 percent of SHA highway network bridges had no adverse effect on their safe use by emergency vehicles, school buses and vehicles servicing the economy of an area. More than 99 percent of SHA highway network bridges allowed all legally loaded vehicles to safely traverse.
- Decreased the number of structurally deficient bridges to 87 in CY 2013, the lowest number since tracking began.
- Achieved 86 percent of SHA roadway mileage in acceptable riding quality condition in CY 2013, surpassing SHA's goal of 84 percent.
- During the 2012-2013 winter season, 97 percent of SHA shops statewide reached bare pavement on interstate and primary highways, on average, within 25 minutes of the end of frozen precipitation.

Environmental Compliance and Stewardship

- Reduced 60,301 pounds of nitrogen pollution, 5,286 pounds of phosphorus pollution and 10,324,412 pounds of sediment pollution into local waterways, as of FY 2013, and planted more than 65,000 trees for the Watershed Implementation Plan in FY 2013, to meet Total Maximum Daily Load (TMDL) requirements.
- Achieved a 99.5 percent in-compliance rating from Quality Assurance Program for erosion and sediment control requirements on all SHA construction projects and maintenance activities; of over 4,000 inspections, only 20 were rated as non-compliant.
- Converted 98 percent of SHA's 3,800 traffic signal lights statewide to LED lamps, as of FY 2013, saving approximately 3,083,500 kilowatt hours and \$308,000 in FY 2013.
- Decreased SHA light fleet total fuel usage ten percent from FY 2012 levels, to 659,000 gallons.

Managing Our Agency

- Paid 99 percent of all invoices within 30 days of receipt.
- Attained workplace safety goal, with the number of injuries per 100 employees (severity rate) at 16 in CY 2013; SHA's goal is 17 or less injuries per 100 employees.
- Advertised 84 percent of SHA capital improvement projects valued at more than \$1 million within 30 days of the date established at the time of funding.
- Opened bids on 86 percent of capital improvement projects valued at more than \$1 million within three weeks of the bid opening date set when advertised.
- Enhanced a database to monitor and track active capital projects for on-time and on-budget metrics, including reasons for delay, to begin reporting in FY 2014.

Customer Communication, Service and Satisfaction

- Managed nearly 22,000 unique customer service requests ranging from pothole repairs to traffic studies.
- Launched SHA's Facebook page to engage customers in a more personal way, growing the account to nearly 10,000 fans in two months.
- Delivered advanced customer service training in partnership with Howard Community College.
- Proactively supported the business community for SHA's first "Bridge on Wheels" for the West Nursery Road over MD 295 reconstruction project.
- Created and tested online survey for Customer Care Management System linked to service request close out emails.

Super Storm Sandy



Super Storm Sandy brought flooding to the Eastern Shore and blizzard conditions to Western Maryland. SHA managed emergency response during the storm, working around the clock - from clearing 30 inches of snow, removing icy trees to rescue trapped residents in Western Maryland, repairing washed out roads and managing traffic at signals without power.

Major Project Completions

- ✓ US 220 Bridge over the Potomac River
- ✓ I-695 Bridge at MD 26
- ✓ Charles Street Bridge over I-695
- ✓ MD 328 Bridge over Tuckahoe Creek
- ✓ MD 550 Bridge over Israel Creek
- ✓ MD 76 Bridge over Motter Run
- ✓ I-270 Bridges over MD 80 and Bennett Creek
- ✓ I-495 Bridge over Northwest Branch
- ✓ I-295/I-495 Interchange Access Ramps
- ✓ West Nursery Road over MD 295 "Bridge on Wheels"

Major Safety Legislation Support

- Drivers prohibited from using a hand-held cell phone while vehicle is in motion.
- Primary seat belt law for all occupants no matter where seated - Buckle Up!
- Drivers approaching emergency vehicle on shoulder required to move over (if safe) to an adjacent lane - Move Over!

FUNDING AND USE OF FUNDS IN FY 2013

Use of Funding

SHA roads carry more than 37 billion vehicle-miles of travel* a year and more than 800 million tons of freight cargo a year. Funding is used to:

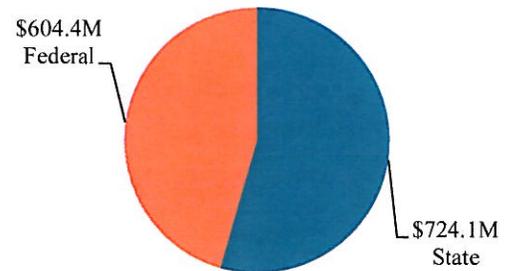
- ✓ Operate and maintain more than 17,000 lane-miles** of roads (25 percent of the state's total lane-miles);
- ✓ Maintain and inspect 2,572 bridges, and assist local governments with 2,305 locally owned bridges;
- ✓ Connect transportation facilities such as bike and walking paths, bus, light rail and subway stations, the Port of Baltimore and the Baltimore-Washington International Thurgood Marshall Airport;
- ✓ Collaborate with citizens, communities and elected officials to deliver hundreds of high-quality projects, from system preservation to major investments through planning, design and construction;
- ✓ Operate 37 facilities, including shops and offices;
- ✓ Manage the 24-7 Statewide Operations Center in Hanover, along with testing laboratories, maintenance and traffic and safety functions.

*Vehicle-miles of travel (VMT) is the number of miles traveled by all the vehicles on all roads (for example, two vehicles traveling two miles equals four VMT).

**Lane-miles is the term used for the mileage down the center line multiplied by the number of lanes.

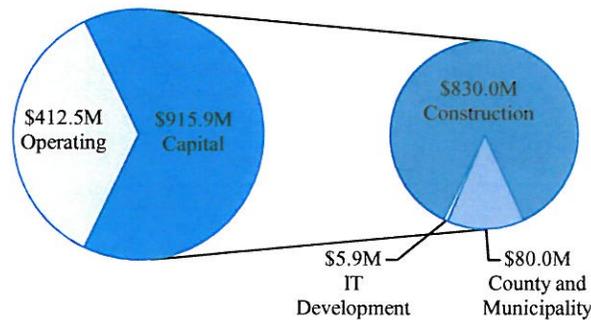
Sources of Funding

SHA Sources of Funding for FY 2013
Total: \$1.328 Billion

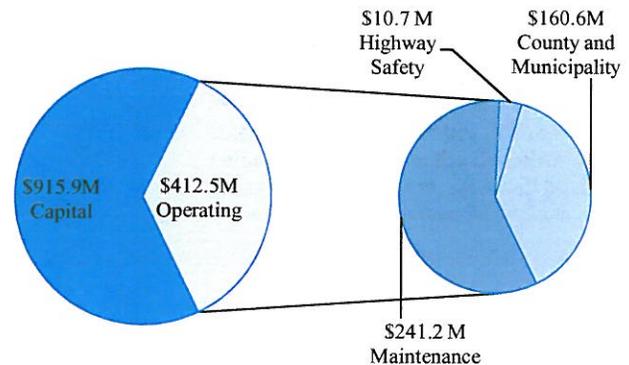


FY 2013 Expenditures

SHA Use of Funding for Capital
FY 2013



SHA Use of Funding for Operating
FY 2013



Capital Construction Funds Spent	FY 2013	Operating Maintenance Funds Spent	FY 2013
Major Projects (planning, design, right of way and construction phases)	\$117.3M	Routine Maintenance	\$103.4M
Bridge Rehabilitation Projects	\$157.5M	Bridge Maintenance	\$4.2M
Pavement Resurfacing/Rehabilitation Projects	\$198.6M	Environmental Design and Compliance	\$3.5M
Safety-related Infrastructure Projects	\$101.7M	Traffic/CHART Operations	\$19.1M
Multi-modal Access Projects	\$17.2M	Winter Operations	\$65.2M
Traffic Management	\$79.6M	Electricity	\$10.5M
Environmental Projects	\$39.4M	Maintenance Support	\$18.1M
Facilities, Equipment, Research	\$67.9M	Other	\$17.2M
Reimbursable Expenses, Other	\$50.8M		
TOTAL	\$830.0M	TOTAL	\$241.2M

Restoring the Chesapeake Bay

Controlling pollution from highway runoff is critical to restoring the Chesapeake Bay. SHA's Total Maximum Daily Load (TMDL) Program goal is a 60 percent reduction in nitrogen, phosphorus and sediment pollution from highway runoff by 2017. To achieve it, SHA will install facilities that annually treat or offset the impact of approximately 7,700 acres of impervious surfaces, remove nearly 2,300 tons of sediment, and keep more than 65,000 pounds of nitrogen and 7,400 pounds of phosphorus from reaching the Chesapeake Bay.

To offset pollutant loads, SHA treats runoff from highways, driveways, sidewalks and roof surfaces through a variety of practices. Bioswales, for example, are vegetated, mulched or other landscaped channels (see photo, below) that remove silt and pollution from surface runoff water to local waterways, tributaries and the Bay.



Other efforts include upgrading existing stormwater management facilities, restoring streams (see photo, below) and planting trees – all part of Maryland's commitment to clean water. With more than \$500 million programmed in the Consolidated Transportation Program, SHA will be able to deliver critical environmental projects.



Martin O'Malley, *Governor*
Anthony G. Brown, *Lt. Governor*
James T. Smith, Jr., *MDOT Secretary*
Melinda B. Peters, *SHA Administrator*

Assessing Infrastructure Vulnerability

SHA developed a state-wide vulnerability assessment using an enterprise geographic information system (eGIS) to analyze infrastructure such as roads and bridges that may be at risk from future weather-related damage, such as intense storms, storm surges, coastal storm-related flooding and/or sea level rise.

Governor Martin O'Malley's December 2012 Climate Change and Coast Smart Construction Executive Order directs all state agencies to consider the risks of coastal flooding and sea level rise in all new and reconstructed state structures.

Through a US DOT pilot project, SHA is gathering additional data statewide such as flood locations, road closures, two-foot inundations (areas affected by two feet or more of storm surge or sea level rise) and floodplains, again using eGIS. The US DOT will use the findings to further develop a climate adaptation and vulnerability framework.

SHA's vision includes comprehensive, documented plans that lay out sustainable practices and climate change adaptation in coordination with an integrated eGIS Asset Management Program in Maryland.

Maryland Food Bank

In the first statewide effort of its kind, SHA joined forces with the Maryland State Police (MSP) and the Maryland Food Bank to collect food donations during "Hunger Action Month." Food donations were collected from employees and the public at all 37 SHA locations and all 23 MSP barracks throughout the state. SHA employees packed and delivered this food to Maryland Food Bank warehouses. The MSP and SHA, supported by donations from the public and Maryland Department of Transportation headquarters and sister agencies including the Maryland Transit Administration, collected more than 35,000 pounds of food to provide almost 30,000 meals to Maryland citizens in need.



Maryland Department of Transportation
State Highway Administration
707 North Calvert Street
Baltimore MD 21202
www.roads.maryland.gov
Toll-free: 1-800-323-MSHA (6742)



24/7 Emergency Response

By July 1, 2014, SHA will substantially increase CHART (Coordinated Highways Action Response Team) Program staff, enabling SHA to provide 24/7 patrol coverage on roadways in the state's major metropolitan areas (Baltimore, Frederick and suburbs of Washington, DC), also the state's most congested traffic areas.



This increase will enable SHA to continue to significantly reduce non-recurring traffic congestion, improve citizen mobility and safety and enhance commerce throughout the state.



Asset Management

SHA's Asset Management Program includes an asset data warehouse (ADW) integrated with SHA's eGIS system to provide a repository to integrate, manage and report on highway inventory data. The ADW now has five assets: highway lighting, line striping, rumble strips, signs and traffic barriers. Future ADW updates will support transportation decision-making with expanded datasets and analytical capabilities by associating this data with other aspects of asset management.