

22nd Annual Maryland Concrete Conference

COMPLETED PROJECTS

Work continues on active construction projects



- MD 146
- I-495 Bridges over Suitland Parkway
- MD 291
- MD 6
- And more!

I-81 Bridge over Potomac River

Project Widened Dual Bridges, Improved Congestion and Enhanced Safety



Establishment of ASSET MANAGEMENT

Critical Infrastructure Assets

CAPITAL RENEWAL PLAN, FUNDING, AND GAP

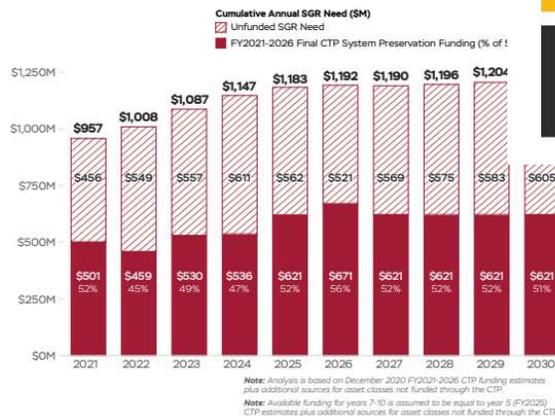
The MDOT SHA asset management plan supports a structured program to guide the system preservation projects needed to achieve and maintain the transportation system performance through managing risk and balancing available funding.

We optimize system performance and asset condition goals while managing our largest risks—within the prescribed level of funding. Applying appropriate lifecycle maintenance strategies also helps us to ensure minimum practical cost. The 2 MDOT SHA capital needs analysis, developed from the FY2021-2026 Consolidated Transportation Program (CTP), estimate **the 10-year funding needed to achieve and then maintain all assets in a SGR is approximately \$11.4 billion, of which MDOT projects only 51% is funded through existing sources.**

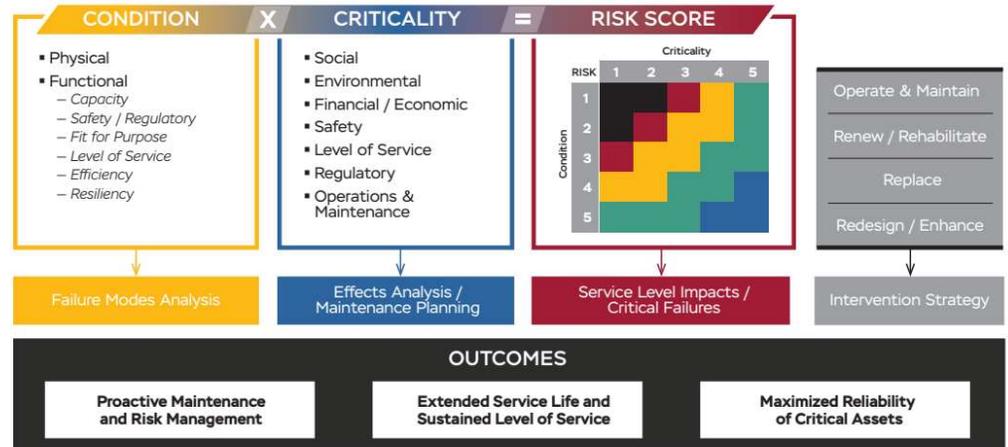
The SGR need and gap forecast compares the unconstrained (\$11.4 billion) maintenance, minor and major rehabilitation, and full replacement needs of the 14 critical asset classes to the 10-year constrained (\$5.8 billion) financial forecast equating to a gap of \$5.6 billion to meet the lifecycle needs of MDOT SHA assets.

The lifecycle and risk management strategies discussed earlier in this document help MDOT SHA to allocate our available funds to infrastructure assets, projects, and programs that represent the largest risk and/or are expected to deliver the largest positive impact to level of service. The asset management program also applies triple bottom line (social, financial, and environmental impacts) and cost/benefit analysis to validate, justify, and support our investments.

STATE OF GOOD REPAIR (SGR) FUNDING NEED, PROJECTED SYSTEM PRESERVATION (SPP) FUN & FORECASTED FUNDING GAP

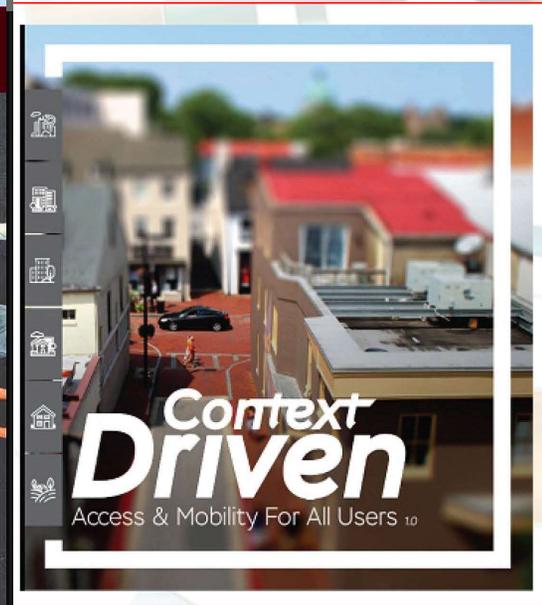


MDOT SHA IS ACTIVELY IMPLEMENTING RISK-BASED APPROACHES THAT APPLY TRIPLE BOTTOM LINE (SOCIAL, ENVIRONMENTAL, AND FINANCIAL) CONSIDERATIONS TO DECISION MAKING



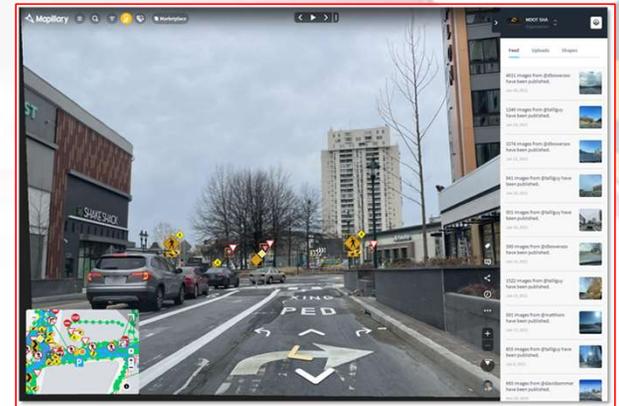
VISION ZERO/CONTEXT DRIVEN

Next step in our evolution



EXPLORING NEW INNOVATIONS

Seeking Creative Ways to How We Do Business



A FEW HIGHLIGHTS

- **Buildings, Materials and Infrastructure**
 - Innovation
 - Practical Applications and Case Studies
- **Sustainable & Environmentally Sensitive**
 - Next Generation – Infinite Game
- **Building Relationships & Partnering**





THANK YOU!