Fact Sheet – Needs by Mode

HIGHWAY BRIDGES

CONNECTIONS TO LRTP GOALS

E – **Economic Vitality & Freight Movement**

C – **System Condition, Efficiency & Fiscal Sustainability**

S – **Safety & Security for All Users**

Over 7,200 state-maintained bridges carry passengers and freight connecting communities and industries across West Virginia. 30% of WV bridges are reaching the end of their service life, which will exacerbate a growing trend of bridges rated in poor condition. WVDOH's commitment to address aging bridges provides increased opportunity for timely, strategic decisions to extend the life of these critical assets and ensure efficient and safe movement.

STAKEHOLDER INPUT

Maintaining bridges in a state of good repair was the most important need noted by stakeholders across both the statewide and local perspective

Bridge condition was considered a more vital need for rural areas as opposed to urban areas

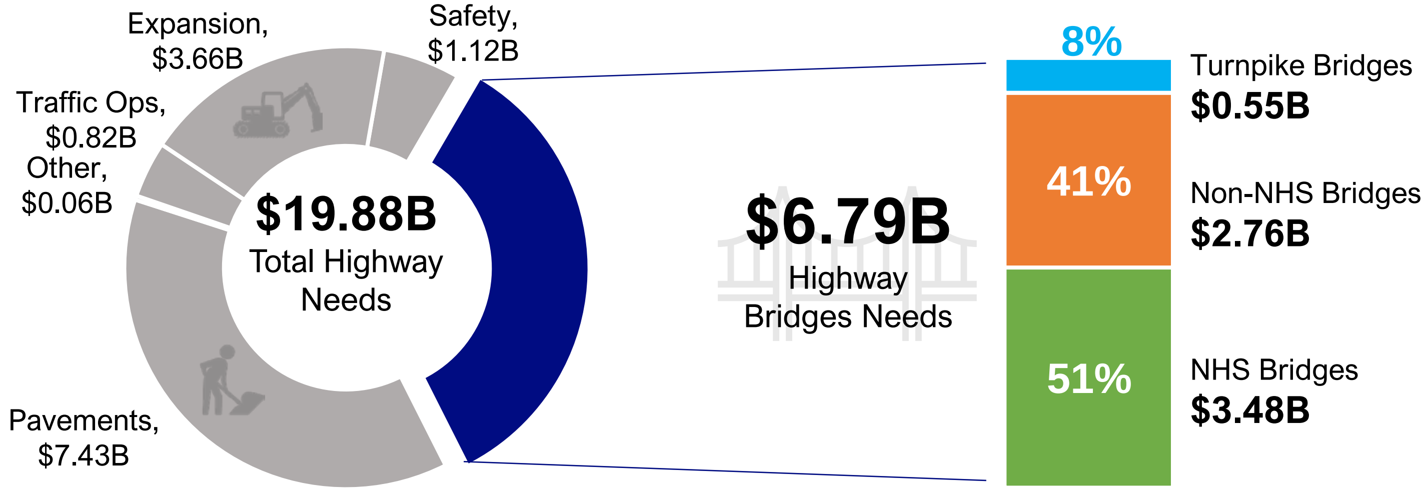
To forecast needs anticipated available funds to maintain bridges were guided by the 2019 TAMP and 30-year revenue availability. WVDOH's bridge management software was used to evaluate future bridge conditions for NHS, non-NHS and Turnpike roadways and to quantify resulting investment under baseline and performance driven scenarios.

FORECASTING METHOD

Sources considered: West Virginia Transportation Asset Management Plan (TAMP, 2019), West Virginia Asset Management Systems (AMS).

FACT SHEET – NEEDS BY MODE

HIGHWAY BRIDGES



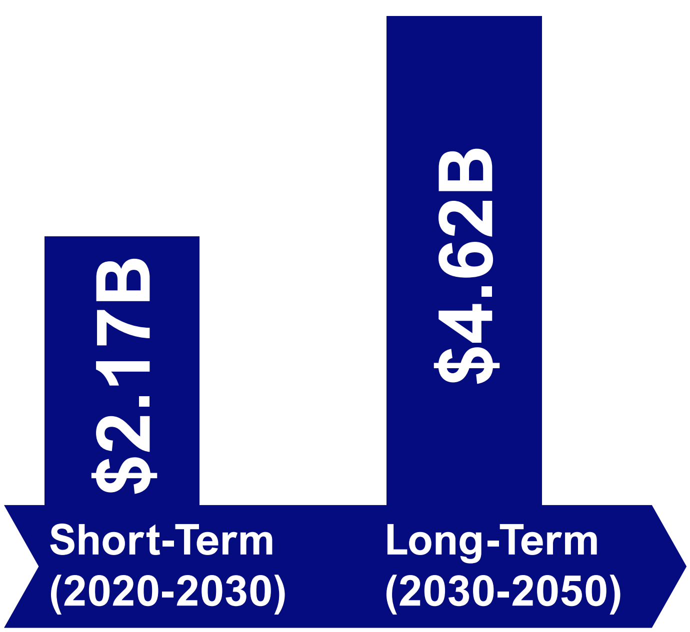
OPPORTUNITIES

Continued pursuit of Federal Grant and alternative funding mechanisms. Leverage WVDOH crews for maintenance and preservation treatments to mitigate deteriorating asset conditions. Coordination with construction and design partners to evaluate alternative delivery methods.

TRENDS AND EMERGING NEEDS

Bridge assets will experience the same reduction in use as pavements as well as the same challenges from projected revenue hurdles. Most of the NHS system bridges were constructed in the late 1970's and early 80's and as such are nearing the end of their expected life resulting in a "wave" of considerable investment need.

SHORT-TERM AND LONG-TERM FORECASTS



- Refine future needs as outcomes of additional investments realized
- Implement alternative tax structure and funding initiatives to support Non-NHS bridge investment needs
- Improve analysis accuracy via validating and calibrating the systems
- Continued integration of WVDOH and Turnpike asset management personnel will result in collaborative solutions
- Utilize best practices to reduce "% Poor" bridges to achieve FHWA targets