

## **Executive Summary**

### **Greater Harrisburg Area Susquehanna River Bridges Master Plan Category A**

Serving as the capital of Pennsylvania, Harrisburg is rich in history, commerce, and industry as more than 250,000 commuters, residents, truckers, and tourists cross five major Susquehanna River bridges throughout the bustling city and surrounding region daily. KCI Technologies, Inc. was contracted to evaluate these crossings, document conditions, and create a master plan to determine the future needs of the John Harris, Market Street, M. Harvey Taylor, George Wade, and Clarks Ferry bridges.

To develop the report, our team analyzed traffic data to determine destination points, rush hour travel times, causes of congestion, and options to mitigate backups. KCI Technologies, Inc. researched structural conditions and used historical data from more than 40 additional bridges statewide to create deterioration models and maintenance, rehabilitation, and replacement schedules. Environmental resources, such as endangered species and waste sites, were evaluated to establish the level of environmental documentation required, while also considering bicyclist, pedestrian, railroad, and utility needs.

With a variety of audiences referencing the data, our team developed all-encompassing results to create a deeply comprehensive master plan. KCI Technologies, Inc. also performed extensive outreach by meeting with regional planners, first responders, local governments, railroad companies, and utility companies to assess their individual needs.

Due to the five bridges' significance and size, planning future construction activities presents both logistical and financial challenges. Using the master plan's detailed findings, future generations now have a playbook to address rehabilitation or replacement projects for the structures, allowing commutes, lifestyles, and commerce to continue seamlessly in the capital region for decades to come.