

Defining and Measuring Bridge Performance

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Transportation professionals examine complex and interrelated factors to determine bridge performance, such as assessing the structure's ability to withstand various traffic loads and volumes, inclement weather, and de-icing chemicals. Bridge performance is further contingent upon the use of quality materials during construction, a sound design, age, agency ownership, and funding available for its construction and maintenance. The measurement of bridge performance not only identifies structural deficiencies; it also provides insight into future bridge design and construction, informs bridge life-cycle cost estimates, and reduces maintenance for future bridges.

This webinar will explore the efforts and challenges that transportation professionals' face when measuring and evaluating bridge performance. Panelists representing the Federal Highway Administration, a state agency, industry, and academia will present research and current state-of-the-practice for measuring bridge performance.

Presenters for this session include:

George Christian, New York State Department of Transportation:
The State Agency Perspective

Ali Maher, Rutgers, The State University of New Jersey:
Impact of the Federal Highway Administration Long-Term Bridge Performance Program on Measuring Bridge Performance

John Hooks, Bridge Technology Consultant:
Understanding Bridge Performance

Frank Jalinoos, Federal Highway Administration:
Utilizing Sensor Technology to Collect Quantitative Performance Data

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