Brief Biography - Glenn Washer, PhD

4706 Winding Woods Ct.
Columbia, MO
washerg@missouri.edu
(573)239-1368

Glenn Washer is an Associate Professor at the University of Missouri – Columbia (MU). Before joining the University, Dr. Washer was with the Federal Highway Administration (FHWA) at the Turner Fairbank Research Center (TFHRC) where he served as the director of the FHWA Nondestructive Evaluation (NDE) program. Dr. Washer has expertise in a wide variety of NDE technologies for the condition assessment of highway bridges, including ultrasonics, thermography, ground penetrating radar, radiography and the visual inspection of bridges. He has published more than 100 conference and journal papers on the development of NDE technologies and their application bridge condition assessment. Dr. Washer is an active leader in the technical community, chairing several committees including the Transportation Research Board's (TRB) Committee on Field Testing and Nondestructive Evaluation of Transportation Structures, and past chair of the ASCE committee on Bridge Management, Inspection and Rehabilitation. Dr. Washer received his Ph.D. in Materials Science and Engineering from the Center for Nondestructive Evaluation (CNDE) at the Johns Hopkins University in 2001.

Dr. Washer's current research efforts include developing reliability-based bridge inspection practices (NCHRP 12-82) and investigating innovative methods for bridge condition assessment. He leads research for a pooled-fund project including 13 states developing and implementing infrared thermography for the condition assessment of highway bridges. He is conducting innovative research on ultrasonic stress measurement for steel bridge components, a new technology intended to provide data on actual stress in bridge components (NCHRP IDEA project 1697). His past research has included reliability assessments of visual inspection for highway bridges, inspection technology for condition assessment of prestressing strands and post-tensioned bridges, reliability of NDT technologies, guidelines for quality assurance and quality control practices for bridge inspection (NCHRP 20-07), and remote health monitoring technologies (NCRHP IDEA – 123).