

Ahmad Alhasan, Ph.D.

Dr. Alhasan serves as a Senior Technical Advisor for pavement and geotechnical engineering and management services at HNTB. Dr. Alhasan is a lecturer teaching geotechnical and foundations engineering at Iowa State University. Dr. Alhasan has over a decade of academic and practical experience where he led numerous projects funded by FHWA, NCHRP, and Highway transportation agencies. He specializes in pavement design and evaluation, pavement asset management, pavement surface evaluation, transportation asset management, geotechnical asset management (GAM), resilience-based design of geotechnical assets and foundations (GRBD), and emerging topics in artificial intelligence data management and probability theory for decision making under uncertainty. Ahmad has pioneered several frameworks from contactless tire-pavement traction models to resilience-based design methods for pavements and geotechnical applications. He authored and presented over 70 technical papers, webinars, and presentations in a wide range of topical areas.