

ROBERT W. MCMICHAEL, PE, GE, D.GE
MADSEN, KNEPPERS & ASSOCIATES, INC.

Mr. McMichael is a Civil Engineer licensed in 23 states, with 30 years of civil/geotechnical engineering and environmental consulting experience throughout the United States and internationally. He is board certified as "Diplomate, Geotechnical Engineering" by the American Society of Civil Engineers Academy of Geo-Professionals. His experience consists of a multitude of projects including feasibility and planning phase studies, due-diligence investigations, environmental remediation design and implementation, design-phase geotechnical studies, construction-phase support projects, and post-construction (forensic) studies.

With regard to new construction, his experience consists of geotechnical design and construction support for various public works and private developments. This includes recommendations for subgrade preparation and pavement sections, drainage structures and bridges, shallow and deep foundation systems, mat foundations, floor slabs, retaining walls, drainage system components, embankments and earthwork, cut slopes, shored excavations, etc. Many projects have been performed in areas with challenging geological hazards including expansive soils and rock, organic soils, contaminated soils and groundwater, collapsible alluvial deposits, liquefiable soils, karst terrain, sinkholes, etc.

Mr. McMichael has developed a specialty expertise in geotechnical studies at environmentally contaminated industrial sites. With regard to post-construction consulting services, Mr. McMichael has performed hundreds of evaluations related to first party and builder's risk insurance claims. The purpose of this work has primarily been to determine cause and origin of damages, the extent of damage and/or formulation of repair concepts. He has been qualified and testified as an expert in Superior and Federal Court on numerous litigated matters. His work has included field and laboratory evaluations, analysis and formulation of repair recommendations, deposition and trial testimony, mediation attendance and other expert services in support of construction defect litigation and personal injury claims, surety issues, and construction claims analysis.

Mr. McMichael graduated from Purdue University with a Bachelor of Science in Civil Engineering in 1985. He graduated with a Master of Science in Civil Engineering (Geotechnical Program) in 1986.