

Mike Muchard, P.E.

Mike joined Malcolm Drilling Company, Inc. in 2023 and functions at the corporate level as a Chief Geotechnical Engineer for Malcolm's deep foundation practice. His focus is on Design-Build/Design-Assist deep foundation systems and provides technical support to Malcolm's regional district engineers and project managers. He also functions as a technical support resource companywide regarding load testing, foundation QA/QC, and quality foundation construction.

He brings over 30 years of experience in geotechnical engineering, foundation testing, and foundation construction engineering involving Drilled Shafts, CFA Piles, Micro-Piles, Driven Piles, Soil Anchors, and Ground Improvement Elements. Mike is widely known for his previous affiliation with Applied Foundation Testing (AFT), a company he co-founded, and successfully managed for over 25 years. He has always been an innovator, having played a key role in pioneering new technologies that have positively influenced the foundation industry. His contributions were in the areas of data driven design improvements, Statnamic® load testing, Bi-Directional load testing, static load testing, drilled shaft base grouting, the modern Shaft Inspection Device (SID), Caliper logging, contemporary integrity testing and evaluation methods (CSL, G-G, TIP, PIT), specialty engineering, and acceptance of deep foundations.

His specialist experience has resulted in his being selected for some of the most challenging and notable projects in the USA. He has performed applied research through testing and evaluation on volumes of projects around the country. Thus, obtaining a most unique knowledge of design predictions, construction methods, and their effects on foundation performance. Mike applies this knowledge extensively in his new role for optimal design-build solutions and a quality constructed product.

Mike has complemented his engineering practice with sharing technologies with colleagues through professional societies. He has given lectures, presentations, and authored numerous papers on topics of his specialties. He is a member in ASCE, DFI, ADSC, ASTM, and a contributing member of the ASTM D11 committee.