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Roger R. Machut, P.E., LEED AP
Senior Civil/Construction Engineering Consultant

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Areas of Expertise:

Civil Engineering
Project Management
Stormwater Management
Site & Land Development
Mold/Asbestos/Lead
Water Intrusion

Highway/Roadway design
Utility Design
Bituminous and Concrete Pavement
Runway Pavement Design
Concrete Structures
Slips/Trips/Falls

Profile/Professional Experience:

Mr. Machut has over 30 years of practical professional experience in civil engineering, in both design and construction applications. Combined with decades of holding positions of leadership in various organizations, Mr. Machut has developed a unique ability to express the complex in ways understandable to individual audiences. As a solution creator, he equally identified root causes of failures, inefficient methodologies, and unsustainable construction. Mr. Machut's engineering expertise is supplemented by his business and leadership experience. Adding to his total professional credentials is Mr. Machut's 33 years of service in the United States Marine Corps, from which he retired as a Brigadier General.

Mr. Machut has conducted investigations for a wide range of Civil Engineering matters including an exploding reinforced concrete floor, an aircraft incident involving runway drainage, neighborhood flooding cause and origin, factors leading to a slip and fall on a sidewalk and workplace injury involving utility access. His workplace experience is foundational for his investigations. He has worked on scores of engineering projects during his career which included military electric and water utilities, bridging, earthwork projects, roadway and engineering projects in foreign countries and combat experience as an engineering battalion commander. Civilian projects include a 41 acre athletic complex, multiple lane roadways, site prep for large structures, a railroad loading facility and multiple drainage studies for new and existing construction.

Academic Background:

Master of Science in Strategic Studies
Bachelor of Science in Civil Engineering

U.S. Army War College, Carlisle, Pennsylvania
Tulane University, New Orleans, Louisiana