



## MATTHEW G. RICHARDSON, P.E.

### CURRICULUM VITAE

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#### EDUCATION

1999                    **Tennessee Technological University** | Cookeville, Tennessee  
Bachelor of Science in Civil & Environmental Engineering

#### EXPERIENCE

2021-Present        **Richardson Engineering & Forensics, PLLC** | Soddy Daisy, Tennessee  
Owner/Principal

2018-2021          **EFI Global, Inc.** | Franklin, Tennessee  
Senior Forensic Engineer

2018                    **City of LaFayette, Georgia** | LaFayette, Georgia  
City Engineer

2005-2017          **Donan Engineering Company, Inc.** | Tennessee, Georgia, Kentucky  
Senior Forensic Engineer

2003-2005          **Metropolitan Government of Nashville & Davidson County** | Nashville, Tennessee  
Paving Engineer

2000-2003          **Tennessee Department of Transportation** | Nashville, Tennessee  
Civil Engineer

1999                    **Tennessee Asphalt Company** | Knoxville, Tennessee  
Field Engineer

#### LICENSURES

Professional Engineer Licensed in:

Tennessee (107636)	Georgia (PE033347)
Alabama (27371)	North Carolina (035524)
Kentucky (24357)	

#### PUBLICATIONS AND PRESENTATIONS

2013    Forensic Engineering Presentation, Chattanooga Engineers Club, Chattanooga, TN  
2011    “Rock the House”, Claims Advisor Magazine (August 2011)

## CONTINUING EDUCATION

- 2023 Impact of Animals on Earth Dams, Online-PDH, Online Study
- 2023 HUD Rehab Guide – Foundations, Online-PDH, Online Study
- 2023 Improving Fire Safety in Wood Construction, Online-PDH, Online Study
- 2023 Mine Subsidence and Damage to Residential Structures, Online-PDH, Online Study
- 2022 Bank Stabilization – Alternatives to Riprap, Online-PDH, Online Study
- 2022 Grade Stabilization Techniques for Streams, Online-PDH, Online Study
- 2022 Guide to Stream Restoration, Online-PDH, Online Study
- 2022 Stone Sizing Criteria for Riprap, Online-PDH, Online Study
- 2021 Moisture Protection for Structures, Online-PDH, Online Study
- 2021 Controlling Stormwater Runoff on Construction Sites, Online-PDH, Online Study
- 2021 Residential Deck Construction (IRC 2015), Online-PDH, Online Study
- 2021 Designing Raised Floor Systems, Online-PDH, Online Study
- 2021 Residential Earthquake Safety Guide, Online-PDH, Online Study
- 2021 Use of Insulation and Vapor Barriers, Online-PDH, Online Study
- 2021 Subsurface Investigations: Groundwater, Online-PDH, Online Study
- 2021 Haag Certified Inspector – Residential Roofs, Haag Education Co., Remote Learning
- 2020 Ethics and Standards of Professional Conduct, PDH-PRO, Online Study
- 2020 Pavement Design for Roads, Streets, Walks, and Open Storage Areas, PDH-PRO, Online Study
- 2020 Foundations in Expansive Soils, PDH-PRO, Online Study
- 2019 Settlement Analysis, CPE Solutions, LLC, Online Study
- 2019 Low Cost Shore Protection, CPE Solutions, LLC, Online Study
- 2019 General Design and Construction Considerations for Earth and Rock-Fill Dams, CPE Solutions, LLC, Online Study
- 2018 Soil Permeability Testing, SunCam, Inc., Online Study
- 2018 Shoring and Reshoring Fundamentals, SunCam, Inc., Online Study
- 2018 Introduction to Thermal Imaging, SunCam, Inc., Online Study
- 2018 Fundamentals of Helical Anchors/Piles, SunCam, Inc., Online Study
- 2018 Drones for Engineers, SunCam, Inc., Online Study
- 2018 Asbestos Fundamentals, SunCam, Inc., Online Study
- 2017 Causes of Distress and Deterioration of Concrete, CPE Solutions, LLC, Online Study
- 2017 Guidelines for Selecting Cool Roofs, CPE Solutions, LLC, Online Study
- 2017 Preservation Standards for Historic Buildings, CPE Solutions, LLC, Online Study
- 2017 Design Parameters for Safe Rooms and Shelters, CPE Solutions, LLC, Online Study
- 2017 Scaffolding Use, Guidelines & Application, CPE Solutions, LLC, Online Study
- 2015 Roadway Horizontal Alignments, PDH Engineer, Online Study
- 2015 Horizontal Curve Safety, PDH Engineer, Online Study
- 2015 Roadway Vertical Alignments, PDH Engineer, Online Study
- 2015 Safety Edge – Design Construction, PDH Engineer, Online Study
- 2015 School of Rock, Tennessee Concrete Pipe Association, Chattanooga, TN
- 2014 Excavations, CPE Solutions, LLC, Online Study
- 2014 Types and Functions of Coastal Structures, CPE Solutions, LLC, Online Study
- 2014 Lumber Stress Grades and Design Properties, CPE Solutions, LLC, Online Study
- 2014 Maintenance of Waterfront Facilities, CPE Solutions, LLC, Online Study
- 2014 Mechanical Properties of Wood, CPE Solutions, LLC, Online Study

- 2014 Physical Properties and Moisture Relations of Wood, CPE Solutions, LLC, Online Study
- 2014 Ethical Issues: Tacoma Narrows Bridge Collapse, CPE Solutions, LLC, Online Study
- 2013 Chickamauga Lock/Dam Project, Chattanooga Engineers Club, Chattanooga, TN
- 2013 Geostabilization, Inc. – Soil Nail Launcher, Chattanooga Engineers Club, Chattanooga, TN
- 2013 Construction with Large Stone, PDH Direct, Interactive
- 2013 Guide to Slope Stability, PDH Direct, Interactive
- 2013 Ice Force on Structures, PDH Direct, Interactive
- 2013 Tornado Risks and Hazards in the Southeast, PDH Direct, Interactive
- 2012 Docks & Marinas 2012, University of Wisconsin - Madison, Madison, Wisconsin
- 2011 Foundation Design in Karst Terrain, Half Moon, LLC, Memphis, TN
- 2011 Solar Photovoltaic Energy Systems, Half Moon, LLC, Nashville, TN
- 2011 Donan Engineering Roofing Level 200, Donan Engineering Co., Inc., Knoxville, TN
- 2011 Grouting for Ground Improvement, Sinkhole Repair, Water Control, and Foundation Stabilization, Half Moon, LLC, Chattanooga, TN
- 2010 Donan Engineering Roofing Level 100, Donan Engineering Co., Inc., Knoxville, TN
- 2010 Trenchless Technology Seminar, Southeast Society for Trenchless Technology, Chattanooga, TN
- 2010 Earthquake Science, Forensics and Design, Donan Engineering Co., Inc., Nashville, TN
- 2009 Low Slope Roofing Systems, University of Wisconsin - Madison, Madison, Wisconsin
- 2008 Design and Renovation of Wood Structures, ASCE, New Orleans, Louisiana
- 2007 Structural Specialist 1, US Army Corps of Engineers / FEMA, Moffett Air Base, California
- 2006 Confined Space Rescue, Tennessee Task Force 2, Nashville, TN
- 2006 Asphalt Shingle Roofing 300, DECI, Knoxville, TN
- 2006 Structural Collapse Evaluation, ASCE, New Orleans, Louisiana
- 2004 Explosives Training, Tennessee Task Force 2, Nashville, TN
- 2004 Explosive Training (USAR), Tennessee Task Force 2, Nashville, TN
- 2004 Aquatic Emergencies First Responder, Tennessee Task Force 2, Nashville, TN
- 2003 TRMCA Annual Concrete Conference, Tennessee Ready Mix Concrete Association, Nashville, TN
- 2002 Pavement Preservation - Selecting Pavements for Preventative Maintenance, National Highway Institute, Nashville, TN
- 2002 Highway Capacity Manual, Utah Center for Transportation Research, Nashville, TN
- 2001 Binder Certification Course, National Center for Asphalt Technology, Auburn, AL
- 2001 Asphalt Technology Course, National Center for Asphalt Technology, Auburn, AL
- 2001 Pavement Preservation - The Preventative Maintenance Concept, National Highway Institute, Nashville, TN
- 2001 Techniques for Pavement Rehabilitation, National Highway Institute, Nashville, TN
- 2001 Asphalt Concrete Mix Design Methods, Tennessee Department of Transportation, Nashville, TN
- 2001 Asphalt Concrete Plant Technician Course, Tennessee Department of Transportation, Nashville, TN