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**Michael A. Hummel** | Forensic Civil/Structural Engineer, P.E.

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### Professional Summary:

Mr. Hummel has diverse professional engineering project management and construction management experience both in and outside of the United States. He served as a project manager in Indiana for utility, heavy highway, and urban beautification/renewal projects up to 5 million dollars. He oversaw the review and permitting process for all private utility, right-of-way, and construction operations for one sixth of the state of Indiana while with the Department of Transportation. He oversaw various multi-million-dollar roof repair and reconstruction operations in Florida following Hurricanes Ivan and Charlie. Mr. Hummel worked for four years managing construction operations and short-term work group visits for various non-profit mission organizations in Honduras following Hurricane Mitch. His experience with determining root causes of failure and viable repair options for structures in Honduras led to his passion for his work in forensic engineering investigation. He has performed structural and civil engineering inspections for industrial, commercial, and residential building structures as well as municipal, county, state and federal infrastructure elements including bridges, roadways, culverts, and docks.

### Areas of Expertise:

- Structural frame collapse
- Structural evaluation of existing structures
- Roof covering evaluation and failure analysis (commercial and residential)
- Building envelope evaluation and analysis – moisture/air intrusion
- Masonry veneer failure/collapse
- Foundation distress
- Impact assessment – vehicles, trees, hail, wind
- Agricultural buildings – post and beam construction
- EIFS configuration and failure methods
- Retaining wall failures – residential and commercial
- Bridge impact assessments – federal and state highways
- In-ground and above ground swimming pool evaluations
- Flood evaluations
- Hurricane and Tornado evaluations
- Structural assessment of fire damage
- Structural subsidence – mine/karst topography

### Licenses and Certifications:

Professional Engineer, Indiana, License # PE19900455

### **Project Experience:**

Mr. Hummel has successfully completed over 800 forensic engineering investigation projects in all areas listed above since 2003 for project/property owners, contractors, and insurers. He has inspected structures and infrastructure elements in Indiana, Illinois, Kentucky, Ohio, Arkansas, Texas, Louisiana, Alabama, Mississippi, Florida, Honduras, and Venezuela.

Mr. Hummel has over 9 years of conducting or managing engineering projects in the private (both for and not-for-profit) and government sectors. Projects have included water, sewer, and storm water infrastructure, road and bridge reconstruction, building construction, and large-scale building reconstruction/restoration.

### **Court Qualifications/ Depositions:**

Litigation CV available upon request.

### **Professional Experience:**

EFI Global, Forensic Civil/Structural Professional Engineer 2020 - Present  
GTG Services, Owner/Professional Forensic Engineer, 2014-2020  
Rimkus Consulting Group, Professional Engineer, 20-2005  
EFI Global, Professional Engineer, 2004-2008  
World Gospel Missions – Construction Team

### **Education:**

Master of Business Administration, Indiana Wesleyan University, Marion, IN, 2002  
Bachelor of Science, Mechanical Engineering, Purdue University, West Lafayette, IN, 1992

### **Courses Instructed / Guest Lecturer:**

Mr. Hummel has acted as an advisor to and taught numerous continuing education classes for the Indiana Chapter of the American Society of Home Inspectors (INASHI)