

Frank Strehl, P.E. | Forensic Engineer

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Professional Summary:

Frank Strehl's experience prior to forensic investigation includes more than 10 years in the construction industry. His diverse engineering experience includes materials testing, design and construction oversight of roadway construction and repair, sanitary and storm sewers, municipal water supply systems, as well of a host of other infrastructure related issues. Mr. Strehl's activities have given him insight into the means and methods of construction, an understanding of material properties and their roles in construction failure. Mr. Strehl investigates and prepares detailed reports for a wide variety of structural related property:

- Roof Evaluation for Wind/Hail Damage
- Water Intrusions into Buildings
- Attic Ventilation
- Plumbing Leaks
- Tile Damage
- Pavement Evaluation
- Plumbing Leaks
- Damage to Swimming Pools and Surrounding Structures

Licenses and Certifications:

Professional Engineer, State of Michigan, Michigan License #6201054126

Professional Engineer, State of New Jersey, New Jersey, License #24GE05096300

Haag Certified Inspector-Residential Roofs

Haag Certified Inspector-Commercial Roofs

ACI Level 1 Concrete Technician Michigan Concrete Association

MCA Level 1 Concrete Technician Michigan Concrete Association

Michigan Certified Aggregate Technician Michigan Department of Transportation

Michigan Certified Density Technician Michigan Department of Transportation

Project Experience:

Unified Consulting, LLC, Farmington Hills, MI
Asphalt Pavement Damage

Evaluation of cracking in recently placed asphalt pavement. Examination of pavement and coordination of testing pavement and aggregate base

Project Experience (Continued):

Unified Consulting, LLC, St. Clair Shores, MI Damage to Floor Tiles

Evaluation of cracking and tile displacement of floor tiles in automotive dealership service bay. Inspection and documentation of damaged floor tiles and coordination of multi-party scene exam.

Unified Consulting, LLC, Waterford, MI Water Damage to Residence

Evaluation of multiple instances of water exposure inside residence. Determined water originated from different sources at different times. Most damage was long-term in nature, resulting from inadequate construction.

Professional Experience:

Unified Consulting, LLC, Forensic Engineer, 2015 – 2018
Stephen Ternullo & Associates, Forensic Engineer, 2012 – 2015
Nowak & Fraus Engineers, Civil Engineer, 2002 – 2012

Specialized Education:

Heating Technology 1, Oakland Community College, 2017
OSHA Construction Site Safety, EZ-PDH.com, 2017
Improving Energy Efficiency in Historic Buildings, EZ-PDH.com, 2017
Deterioration of Concrete, EZ-PDH.com, 2017
Building Design, the Intelligent Approach, American Institute of Steel Construction, 2017
16 Hour Asbestos Operations and Maintenance Training, 2016
Design of Potable Water Plumbing Systems, PDH Engineer, 2016
Moisture Intrusion and High Ambient Humidity Causation Analysis, PDH Engineer, 2016
Professional Practice Ethics for, PDH Engineer, 2016
Forensic Investigations; Unified Investigations and Sciences, Inc 2015
2013 Convention, Investigative Engineers Association (I-Eng-A), 2013
Using Resources to Validate your Hypothesis, CFITrainer.net/IAAI, 2013
Fundamentals of Residential Building Construction, CFITrainer.net/IAAI, 2013
Critical Thinking Solves Cases, CFITrainer.net/IAAI, 2013
A Ventilation Focused Approach to the Impact of Building Structures and Systems on fire, CFITrainer.net/IAAI, 2013
Electrical Safety, CFITrainer.net/IAAI, 2013
Ethics and the Fire Investigator, CFITrainer.net/IAAI, 2013
The Scientific Method for Fire and Explosion Investigation, CFITrainer.net/IAAI, 2013
Understanding Fire Through the Candle Experiments, CFITrainer.net/IAAI, 2013
Arc Mapping Basics, CFITrainer.net/IAAI, 2013

Specialized Education (Continued):

Fundamentals of Interviewing, CFITrainer.net/IAAI, 2013

Documenting the Event, CFITrainer.net/IAAI, 2013
Managing Complex Fire Scene Investigations, CFITrainer.net/IAAI, 2013
The Practical Application of the Relationship between NFPA 1033 and NFPA 921,
CFITrainer.net/IAAI, 2013
2012 Convention, Investigative Engineers Association (I-Eng-A), 2012
Investigative and Forensic Engineering Training, Investigative Engineers Association
(I-Eng-A), 2012

Education:

Bachelor of Science, Civil Engineering, Michigan Technological University, Houghton, MI, 2002

Publications and Presentations:

Strehl, Frank, "Water Leaks from Tile Finished Shower Enclosures", The Forensic Engineering Report, 2015, Volume 19, Issue 2
Strehl, Frank. "Explosions and Determining Preexisting Conditions", The Forensic Engineering Report, 2013, Volume 17, Issue 2.

**Litigation CV available upon request.