



Asher Cohen, M.Sc., P.E.

Mr. Cohen holds a Bachelor of Science Degree and a Master of Science Degree in Civil Engineering from Florida International University in Miami, Florida and is registered as a licensed professional engineer in Florida, Louisiana, Texas, and Washington.

Mr. Cohen has progressive experience in the fields of failure analysis, structural, transportation, and water resources engineering. Responsibilities have included the design, analysis, and inspection of residential and commercial structures throughout the United States, roadway and light-rail planning and design, and the development of stormwater master plans for municipalities.

Mr. Cohen has performed forensic investigations of damage to residential and commercial properties throughout the United States. Responsibilities have included the investigation of building framing and envelope failures, foundation damages, failures of marine structures, storm damage assessments, vibration damage evaluations, moisture source identification, construction defect assessments, fire damage evaluations, and other structural damage evaluations. In addition to the inspection of various damages and failures, Mr. Cohen has been responsible for the preparation of reports based on the findings of the investigations. Mr. Cohen has presented educational seminars based on the investigation of defects and damage to residential and commercial structures. Mr. Cohen has been designated as an expert witness and has provided expert witness testimony when requested.

EDUCATION

M.Sc. - Civil Engineering - Florida International University

B.Sc. - Civil Engineering - Florida International University

LICENSES

Registered Professional Engineer – Florida

Professional Engineer – Louisiana

Registered Professional Engineer – Texas Registered

Registered Professional Engineer – Washington

AFFILIATIONS AND MEMBERSHIPS

American Society of Civil Engineers – Structural Engineering Institute

National Society of Professional Engineers

SPECIALIZED TRAINING

The Science of Storm Analysis
Roofing Materials – Asphalt Shingles
Behavior of Wood Materials Seminar
Anatomy of Construction Defects
Composition Roofs Damage Assessment
Haag Residential Roof and Wind Damage Seminar
Advanced Course on the Florida Building Code 8th Edition
Building Science Fundamentals (Building Science Corporation)

WORK HISTORY

U.S. Forensic

January 2010 - Present

Civil Engineer

- Inspection of residential and commercial structures throughout the United States and the State of Florida in order to determine the cause and origin of flood, hurricane, and tornado damage, construction defects, vibration damage, roofing damage, stucco wall covering damage, HVAC damage, and plumbing failures.
- Specific inspection tasks involved accessing various portions of the structures and sites including basement, crawlspace, and attic areas, documenting the areas of damage, and obtaining measurements and readings within and around the structures.
- Preparation of reports based on the findings of our cause and origin inspections. Specific report tasks have involved the research and documentation of meteorological conditions, soil information, material and manufacturer's specifications, building code conformance, and other information.
- Providing repair recommendations in order to restore structures and structural components to their pre-damaged condition.
- Provided expert testimony related to failures of structures and structural components.

HSA Engineers and Scientists

January 2009 - December 2009

Engineer

- Inspected residential structures throughout South Florida in order to determine the cause and origin of damages to roof systems, foundations, building envelopes, and other structural components and finishes.
- Performed specific inspection tasks that involved accessing various portions of the structures, including crawlspace and attic areas, documenting the areas of damage, and obtaining measurements and readings within and around the structures.
- Prepared reports based on the findings of cause and origin inspections. Specific report tasks involved the research and documentation of meteorological

conditions, material and manufacturer's specifications, building code conformance, and other information.

- Inputted, edited, and analyzed data for geometric roadway designs, material quantities, and signing and pavement marking plans using MicroStation and GEOPAK Civil Engineering Suite for several South Florida roadway projects.

DeSimone Consulting Engineers

2006 – 2008

Engineer

- Reviewed and edited construction drawings submitted for approval by contractors, suppliers, and fabricators for various high-rise and mid-rise structures.
- Performed on-site quality control inspections of numerous high-rise and mid-rise structures to ensure their conformance to the structural design specifications set forth by DeSimone Consulting Engineers.
- Performed structural design and analysis of various high-rise, mid-rise, and low-rise structures throughout South Florida and the Caribbean, including performing calculations for the design of structural framing components, floor layout configurations, column creep and shrinkage analysis, and inputting, editing, and analyzing data within the CSI suite (Etabs, SAP, and SAFE), PCA Column and Beam, RAM Concept, RISA3D, and RISA Floor structural design software.
- Used AutoCAD (2D&3D) drafting software to input, edit, and analyze structural plans and schematics for projects.

EARTHTECH, Inc.

2004 – 2006

Engineer

- Inputted, edited, analyzed, and managed data to facilitate the design of stormwater master plans for several South Florida municipalities, using a geographic information system (ArcGIS), advanced database techniques, and Storm Water Management Model (XPSWMM).
- Computed material quantities for structural designs associated with the Miami-Dade Metro Rail North Corridor expansion and performed minor drafting tasks associated with the architectural layout of the various stations along the railway expansion.