

CURRICULUM VITAE

George C. "Joe" Frank, CFC

George C. "Joe" Frank, Principal of Frank Consulting, Ltd., a 25 year old multi-disciplined organization, of experienced professional associates, specializing in peer review, construction field observation, forensic investigation of construction related issues, including: engineering analysis of structural failures; geotechnical problems; defective construction; construction claims analysis; liability claims; surety claims; construction accidents and expert witness services. The resolution of unusual and complicated construction problems are a part of the everyday services we provide to the Owner, Contractor, Surety, Attorney and Insurance Carrier.

EDUCATION

AA East Contra Costa Junior College, Concord, California
California State Polytechnic College, Pomona, California

EXPERIENCE SUMMARY

Mr. Frank has been involved in all types and phases of design, engineering, field supervision, and construction management programs since 1957. His background covers the construction industry in the planning, development, design, construction, maintenance and repair of significant projects throughout the world. His projects resume includes over \$35 billion (in today's dollars) of completed construction under some of the most hazardous and difficult conditions in 12 states and 4 foreign countries. Mr. Frank was the qualifying party and carried licenses in General Building & Heavy Construction; Plumbing; Boilers Steamfitting & Process Piping in the State of Arizona for over 20 years and maintains a license as a Commercial Contractor. Mr. Frank was the President of Consolidated Engineers and Frank Unitized Systems, Inc. that specialized in the engineering of light gauge curtain wall systems used on numerous low rise and high rise buildings throughout the southwest, and carries patents on panel interlocks used in erection of these systems.

Mr. Frank serves as a neutral on the Panel of Commercial Arbitrators for the American Arbitration Association and is a member of its Construction Advisory Committee. Mr. Frank is Certified Forensic Consultant, a Diplomat of the American Board of Forensic Examiners and an Advisor on the American Board of Forensic Engineering & Technology. Mr. Frank has been appointed as a Special Master to rule on disputes between contractors and their clients. He has authored articles on: Forensic Investigation & Remediation of Expansive Soils, The Construction Consultant in Discovery; The Construction Expert; The Experts Role in Construction Defect Litigation; Construction Accident Investigation and Analysis; Higher Construction Profits at the International Level; A Project Management Organization for Transportation Agencies; and Project Scheduling for Transportation Agencies and his latest book Do It Right Or Pay The Price.

Mr. Frank has presented programs on ethics, safety, claims, quality assurance and forensic investigations to the Arizona Building Contractors Association, Arizona Construction Lawyers Association, Arizona Bar Association, American Board of Forensic Examiners, and conducted mini seminars on project management for the Arizona Department of Transportation along with claims prevention seminars for various surety and insurance companies. Mr. Frank is an advocate of pro-active management of construction projects, alternate dispute resolution and plays an active role in promoting the use of review boards and mediation techniques in resolving disputes between parties.

Mr. Frank specializes in forensic investigations, and expert testimony related to the construction industry, and has conducted over 800 investigations, in 8 states, and the Territory of Guam, on various types of construction liability cases including: construction accidents, structural failure and defects, including earthquakes, landslides, grading & drainage, expansive and collapsible soils, structural steel, light gauge framing, wood framing, masonry, stucco, EIFS systems, fires etc. This specialization includes reconstructive laboratory analysis, on-site testing & graphic illustrations.

TYPICAL CONSULTING CASES:

Construction Liability:

- Residential
- Commercial
- Industrial
- Manufacturing
- Municipal
- Federal & State

Geotechnical Site Conditions:

- Landslides
- Earthquakes
- Expansive Soils
- Collapsible Alluvium
- Soil Stabilization
- Drainage & Flood Control

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SIGNIFICANT PROJECT EXPERIENCE

King Khalid Military City, Saudi Arabia
American Crystal Sugar, Drayton, N.D.
National Iranian Oil Co. Pumping Stations, Iran
Holly Sugar, Hereford, TX
Seed Cleaning Plants, Algeria
Spreckels Sugar, Chandler, AZ
Titan II Missile Complex, Tucson, AZ
Revlon Cosmetics Plant, Phoenix, AZ
Atlas Missile Program, Vandenberg, CA
New Town of Morenci, AZ

Western Electric Cable Plant, Phoenix, AZ
Jack Tar Hotel, San Francisco, CA
Richmond - San Rafael Bridge, CA
Kaiser Center, Oakland, CA
Barrow Neurological Center, Phoenix, AZ
125 Navajo Homes, Tuba City, AZ
Trans-Alaska Pipeline, Valdez to Sourdough
Titan I Missile Complex, Maryville, CA
Los Padres Men's Colony, San Luis Obispo, CA
Soledad State Prison, Soledad, CA

ASSOCIATIONS

American Arbitration Association

American Board of Forensic Examiners International

TRIAL EXPERIENCE

Municipal Court (3)
Arbitration (28)
U.S. Bankruptcy Court (3)
Superior Court (22)

U.S. District Court (4)
Mini-Trials & ROC Hearings (7)
Mediations (19)
Depositions (104)

CERTIFIED AS EXPERT WITNESS

Arizona
California
Guam
Nevada
New Mexico
Utah
Washington
Wisconsin

CERTIFIED IN THE FOLLOWING FIELDS:

Construction Defects
Construction Means and Methods
Construction Management
Heavy Construction Equipment
Construction Specifications
Plumbing Systems
Scheduling and Cost Control
Reinforced Concrete
Structural Steel
Waste/Water Treatment Plants
Jail Equipment Installation and Construction
Insulated Wall Panel Systems, EIFS
Job Site Safety
Roofing & Waterproofing
Soil Conditions

TYPICAL ASSIGNMENTS

Mr. Frank has extensive involvement in the resolution of complex projects, including the administration of major contract surety claims, takeover contracts and workout agreements on defaulted contracts; served as an expert witness on numerous construction defect cases; acted as a Special Master, Arbitrator or Mediator on disputes between parties. Some of the efforts he has been involved with include:

Construction Claims, Analysis, Preparation, Presentation and Defense has been a major segment of Mr. Frank's experience, handling in excess of 250 million dollars in construction claims covering changed conditions, acceleration, design deficiencies, productivity, false termination, liquidated damages, suspensions and delays, acting in support of the plaintiff or representing the defense.

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Forensic Investigative Services, including complete in-depth failure analysis of fifteen poured in-place structural concrete parking structures in the Greater Los Angeles California area after the January 17, 1994 Northridge earthquake. Laboratory and in-field analysis of EIFS, waterproofing, stucco, soils, concrete, steel, welds, bolted connections, steel pipe, copper pipe, smoke, molds, and other construction materials.

Managed Design, Engineering, Construction & Tactical Planning to complete the design and engineering on a 250 million dollar manufacturing plant that was 5 months behind schedule, completed the design on-site, to expedite the coordination and approval process with local governmental agencies and utility companies. The plant was completed in time to meet all production commitments of the client.

Strategic Planning & Scheduling to complete 157 miles of the Trans-Alaska Pipeline ahead of schedule, which subsequently resulted in Aleyska Pipeline Service Company awarding an additional 55 miles of the pipeline from another contractor's segment, all of which was completed in time to meet the operational requirements of the consortium.

Developed Planning, Strategy & Engineering Program, As Director of Engineering, to handle the resource allocation, logistics, manufacturing, and support services for the construction of a new city of 70,000 people in the Kingdom of Saudi Arabia including the design and construction of a 25,000 worker's city; associated recruiting of the 25,000 man work force; housing; mess facilities; recreation; health care; power; communications; sewage and water treatment; warehousing and stores; and the design and construction of the world's largest pre-cast plant and other ancillary facilities.

Surety Claims Management on the completion of 42 million dollars worth of defaulted construction contracts, involving 18 major projects in 2 states and all associate payment bond claims, without the loss of a single work day, bad faith or non-performance claim being filed by the principals.

Liability Claims Analysis has been a primary responsibility of Mr. Frank since venturing into the private consulting field. Since 1981, Mr. Frank has conducted specialized forensic investigations and/or provided expert testimony on over 300 liability cases involving property damage or personal injury, not including the evaluation of over 400 claims associated with the January 17, 1994 Northridge earthquake. Mr. Frank's in-depth knowledge of construction defects resulted in reducing a Fourteen Million Dollar (\$14,000,000.00) claim made against his client to Thirty-Two Thousand Dollars (\$32,000.00).

Alternate Dispute Resolution working as an independent private mediator/arbitrator and/or through the American Arbitration Association resolving through mediation \$12 million in delay damage claims and ruling on over \$10 million damage claims as an arbitrator.

Expert Witness Services on over 600 litigation cases in Arizona, California, Guam, Nevada, New Mexico, Texas, Utah, Washington and Wisconsin involving over \$900 million in claims.

Forensic Investigation & Remediation Services has been, and is a continuing service provided by Frank Consulting, Ltd., throughout the United States. From initial on-site forensic investigation, through the preparation of remediation plans and specifications, securing the services of remediation contractors, field observation and certification of the completed work, remains a cornerstone services provided. Mr. Frank just recently completed managing the engineering and remediation of, approximately, 150 homes in two separate locations that were seriously affected by expansive soils and/or poorly compacted fills and is now in the process of conducting these services on three multi million dollar commercial projects. Organizing specialty teams to resolve difficult problems in a timely manner, under complex conditions throughout the world has been a specialty service Mr. Frank has performed over the years.

Project Management & Coordination Services has been a primary activity of Mr. Frank for over fifty years, from major manufacturing and processing plants, to new cities and major civil projects throughout the United States and four (4) foreign countries.

Construction Safety & Accident Services has been a key part of Mr. Frank's work for years from the mid 1950s by incorporating safety into CPM scheduling, being an active member of the Associated General Contractors of Arizona Safety Committee, to developing safety programs for contractors and investigating construction accidents for various insurance carrier.