

Credentials

Professional Engineer
Texas # 37041

Education

Master of Science in Civil & Mechanical Engineering
University of Texas, 1977

Bachelor of Science in Aerospace & Mechanical Engineering
University of Texas, 1967

Graduate Courses in Business Administration
Military Officers Courses in Artillery, Armor, Transportation; Command & General Staff
College

Professional Associations

Texas Society of Professional Engineers, TSPE
American Society for Metals, ASM
American Society of Mechanical Engineers, ASME
American Society of Civil Engineers, ASCE
American Society for Quality Control, ASQC
American Concrete Institute, ACI
Association of the United States Army, AUSA
National Guard Association of Texas, NGAT

Publications

A Twenty Year Master Building Plan for Chrysler Technologies, 1990
Chrysler Technologies Antenna Range Capabilities - 1994 and Beyond, 1993

Relevant Information

Top Secret/Crypto/BI Clearance, active to 1989
Secret Clearance, active to 2000

Areas of Concentration

Construction management
Facilities management
Mechanical engineering
Civil engineering
Aeronautical engineering
Geotechnical engineering
Traffic engineering
Petroleum drilling & equipment
Site development
Construction job site safety

Construction relationships
Construction standard practices
Building codes & standards
Heating, ventilating & air conditioning (HVAC)
Fleet management
Safety management
Accident analysis
Quality control

Specific Experience & Interest

Foundations
Concrete construction
General construction
Manufacturing facilities
Maintenance procedures
Alarm systems
Barracks
Concrete & asphalt paving
Security lighting
Sidewalks
Subdivisions
Surveying
Temporary construction
Personal protective equipment
Landlord & tenant issues & disputes
Research & development facilities
Restaurants
Retaining walls
School construction
Weapons
Light poles
Blast hole drills

Fast-track construction
Roads & highways
Building inspection
Building materials
Building security
Construction fasteners
Dormitories
Driver training
Drilling
Environmental compliance
Equipment maintenance
Facilities plans & audits
Fiber optic cable
Fire sprinkler systems
Foundation defects
Heavy equipment
Drill bits
Tunnel boring machines
Oilfield equipment
Mining equipment
Fairgrounds

Professional Experience

Institute for Products, Engineering & Construction **2000 to Present**

Consulting and forensic engineering services for attorneys and insurance companies. Projects span a range of engineering and management disciplines in the fields of Construction, Manufacturing and Safety.

Harrison, Walker & Harper **2000 to present**

Project Manager for Engineering, Contracting and Construction Management firm. Responsible for project administration, coordination and management including budgeting, purchasing and field production for construction projects, including civil and mechanical engineering support.

Daimler Chrysler Technologies/Raytheon/Electrospace Systems **1987 - 2000**

Manager of Facilities for Defense Contractor. Responsible for civil and mechanical engineering, planning, construction, budgeting, maintenance, administration, safety compliance and training, telecommunication support and fixed assets of 17 facilities in Texas, Virginia and California. Responsible for risk management, accident investigation, HAZCOM and program facility support at corporate headquarters.

Texas Army National Guard, Adjutant General's Department **1986 - 1987**

Assistant Director. Advise general staff on training, facilities and manpower requirements to fully automate reserve forces in Texas. Researched and wrote training publication and coordinated training, budgetary controls and equipment fielding.

Rone Engineers **1985 - 1986**

Manager and Senior Civil Engineer for Geotechnical engineering firm. Managed all phases of construction testing and monitoring in soils, concrete, asphalt, steel and roofing. Supervised 58 employees including engineers, technicians, drillers and mechanics.

Western Company of North America **1978 - 1985**

Manager for Quality Assurance, Facilities, Safety and Training and New Products for oilfield drilling industry manufacturer and service provider. Developed, staffed and managed four groups of 36 professionals within the engineering and manufacturing division to support operations in 12 states. Projects include construction of new facilities and design of new manufactured products.

American Manufacturers Company **1977 - 1978**

Mechanical engineering supervisor. Designed and developed mechanical/structural components for oilfield pumping units. Developed new metallurgy and casting standards for pipe, pumping units and military ordnance.