

CLAUDE V. BAKER, P.E.
Augspurger Komm Engineering, Inc.
& BTI Consultants
3315 E. Wier Avenue
Phoenix, AZ 85040
(602) 443-1060
(602) 443-1074 Fax
www.AKEINC.com

Claude Baker has been a full-time Arizona resident since 1965. Claude was first registered as an Engineer in Arizona in 1971. He was licensed as a General Contractor in California in 1964 and became a licensed Arizona contractor in the 1980's. Claude Baker is the retired Board Chairman of CMX Group, Inc. He was co-founder of CMX in 1985 and retired from active company participation in 1994. He still does consulting for CMX, other engineering firms and private clients, as well as offering expert testimony to attorneys. He offers consultation in the areas of industrial and construction safety, construction quality, construction methods and means, Structural and Civil Engineering, Land Surveying practice and architecture and engineering malpractice. He testifies in court regularly.

Professional Registrations

Arizona Civil # 7940 in 1971 by examination.
Arizona Structural #8010 in 1971 by examination.
Arizona Land Surveyor #16783, by entitlement.
California Civil #CE 26772 by comity.
California Structural #SE2268 by examination.
Oregon Civil #10093 by comity.
Washington Civil and Structural #18173 by oral examination.
New Mexico Professional #6328 by comity.
Nevada Structural #5919 by comity and oral exam.
Texas Professional #46553 by comity.
Oklahoma Professional #15268 by comity.
Minnesota Professional by comity.
Michigan Professional #28710 by comity.
Indiana Professional # 19827 by comity.
Ohio Professional # 46538 by comity
Pennsylvania Professional # 19264-E by comity.
New Jersey Professional # 34505 by comity.

Some of these registrations are now on retirement set aside and others will be retired as they become due, only the Arizona and New Jersey registrations will continue to be active.

Licenses

Arizona licensed Contractor # B1 075070 (now inactive)
Ham license KD7CXW

Claude V. Baker

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Present and Past Professional Association Memberships

Structural Engineers Association of Arizona
President State Chapter 1979
President Central Chapter 1978
Arizona Consulting Engineers Association
Chairman Structural Group 1986-1989
Structural Engineers Association of California
Life Member
Fellow of the American Concrete Institute
Member Code Committee 318
Editorial Review Committee
Concrete Reinforcing Steel Institute
Precast Concrete Institute
International Conference of Building Officials
International Association of Bridge and Structural
Engineers.

Public and Civic Associations

Phoenix Sunrise Rotary Club
President 1982
Arizona State Board of Technical Registration
Enforcement Advisory Committee
Board Member 1999 -
City of Phoenix
Mayors Committee on the Deck Park
Building Department, Masonry Code Committee
Building Department, Seismic Code Committee
Building Department, Fire Truck Loading Committee
Bond Advisory Committee
America West Arena
City of Phoenix Representative on Arbitration
Commission
Maricopa County
Seismic Code Committee

Non Profit Association

Adult Care Services, Prescott Board Member
Adult Day Care, Inc., Prescott Board Member
Residential Care Services, Prescott Board Member
Primate Foundation of Arizona Board Member
Alzheimer's Association Board Member

Recreational Activities

Baker has been a lifelong boat owner and sailor having made

Recreational Activities (Continued)

many costal and trans-Atlantic passages. He holds a General Class License from the FCC as a ham operator. He drove for a Porsche dealer team in the 60's in California and still restores and drives antique automobiles. He grows Orchids, Roses and African Violets.

Education

University of Washington, BSCE, 1946
University of Washington, Graduate Studies, 1947-50
Arizona State University, Graduate Studies
Continuing Education as required by the various States.

Engagement History

1943-1946	U.S. Navy, Civil Engineering Corps Seattle, Washington
1946-1968	U.S. Navy, Civil engineering Corps Reserve Officer
1946-1950	Bethlehem Steel Co, Engineer Seattle, Washington
1950-1962	Ryerson Division of Inland Steel Co. Construction Products Manager Seattle, Washington
1962-1966	Halvorson Construction and Subsidiary Companies. Vice President, Engineering Los Angeles and Seattle
1966-1970	Desert Steel Co. and Desert Manufacturing, Inc. Vice President and Partner. Phoenix, Arizona
1970	Robert Adams Concrete Construction Phoenix, Arizona
1971-1973	Visioneering Associates Vice President, General Manager Phoenix, Arizona
1974-1979	Engineering Professionals, Inc. Principal, Owner Phoenix, Arizona
1979-1985	Read Jones Christoffersen, Engineers Partner Phoenix, Arizona
1986-1994	CMX Group, Inc. Chairman, Phoenix and Prescott, Arizona
1987-1994	Forum Construction Services

Engagement History (Continued)

	Vice President, Contractor of Record Phoenix, Arizona
1995-2006	Claude V. Baker, PE, Private practice
2006-2008	Augspurger Komm Inc. and BTI Consultants Consulting Engineer

Experience

Claude Baker has been continuously engaged in the engineering profession and in engineering for construction since graduating from the University of Washington. His early experience in the steel industry ranges from rolling mill design to product engineering and manufacturing. It has given him an insight into the manufacturing process that has allowed him to help many clients design and build efficient facilities.

As Vice President of Halvorson and President of some of its subsidiaries, Mr. Baker was involved with projects ranging from dams on the Columbia River to designing and building high rise buildings in Los Angeles. He was the contractor for, and the designer of, the steel cable support structure for the Veterans Memorial Coliseum in Phoenix and the Seattle Coliseum.

Desert Steel and its subsidiary, Desert Manufacturing were organized by Baker and two partners in 1965 and started operation in 1966. Desert Steel fabricated and erected reinforcing and structural steel. The Phoenix Convention Center was a typical project. Desert Manufacturing produced wire and light gage steel accessories for the construction industry. Baker designed all of the air/hydraulic manufacturing equipment used in the production.

Mr. Baker sold his interests in 1970 to return to engineering as Vice President General Manager of Visioneering Associates. Visioneering was a design-build firm with its primary client, State Farm Insurance. Baker designed and managed the construction of approximately 150 buildings nationwide for State Farm and other clients. When the State Farm Contract expired the company was closed.

Engineering Professional was started as a wholly owned company by Baker, hiring engineers and architects that had been released by Visioneering. It expanded to offices in California, Colorado and Texas. It was merged with Read Jones Christoffersen in 1979. RJC is an international

Experience (Continued)

engineering firm with its primary office in Canada and branch offices through the past and present British Commonwealth. Baker had a five year contract to manage the United States Operation.

Engineering Professionals and RJC Projects include:

One Columbus, Office Building, Phoenix, Arizona
Signature Place, Seven Offices and Five Garages, Dallas, Texas
McCulloch Chain Saw Manufacturing Plant, Lake Havasu, Arizona
UCLA Medical Parking Garage, Los Angeles, California
Central Park Plaza, Phoenix, Arizona
Safety Plan and Inspection, Intel Plant, Chandler, Arizona

In 1986 CMX was formed by Baker, with two young engineers, as a consulting engineering firm specializing in civil engineering, sports engineering, land development and construction management. It has been very successful.

The firm's projects include:

The Cardinals Training Facility, Tempe, Arizona
Tatum Ranch, a Residential Subdivision, Phoenix, Arizona
Mill Avenue Streetscape, a Down Town Beautification Project, Tempe, Arizona
One Renaissance Square, Civil Engineering and Quality Control, Phoenix, Arizona
Two Renaissance Square, Quality Control, Phoenix, Arizona
Osborn Road water and sewer, Phoenix, Arizona
Historic Reconstruction of the Auburn Journal Building, a 100 year old building in California
ASU Stadium, Turf and Field revisions, Tempe, Arizona
Cardinals Stadium, Glendale
ASU College of Law Library, Tempe, Arizona
University of California, Turf and Field revisions, Berkeley, California
City of Phoenix, Main Central Library, Phoenix, Arizona
Bell Road Widening, Phoenix, Arizona
Downtown Streetscape, Prescott, Arizona
Butler Avenue reconstruction, Flagstaff, Arizona
Peoria Sports Complex, Peoria, Arizona
Cardinals Stadium, Glendale, Arizona
Civil Engineering for many developments.

Forum Construction Services, a construction management
Claude V. Baker

Experience (Continued)

company that specializes in design management and construction of large commercial projects.

Projects include:

Two Renaissance Square, Phoenix, Arizona
The Citadel, an Urban Renewal Project, Los Angeles, California
The Hazard Center, San Diego, California
The Forum, Scottsdale, Arizona

Professional and Civic Involvement

Mr. Baker has always felt that a professional, permitted by the state to practice, has a duty to participate in affairs outside of the day to day practice of his profession that will benefit the profession as well as protect the public. Some of his involvements include:

American Concrete Institute

Baker served on the Building Code Committee, #318, that writes the Code of Construction for concrete that is adopted by the International Conference of Building Officials in its Uniform Building Code and is used in all jurisdictions in both North and South America. Baker was a full voting member for 12 years.

Arizona State Board of Technical Registration

In June, 1999 Baker was appointed as a voting member of the Board of Technical Registration. Baker has remained active in the affairs of the National Council of Examiners For Engineering and Surveying as member, chairman or consultant to, various national committees. The Enforcement Advisory Committee

Of the State Board reviews allegations made against practicing Architects and Engineers in Arizona. Committee members do extensive investigation of the charges, hold meetings with the complainant and respondent and make recommendations to the Board for action. Baker has been a member of this committee since the 80's...

State of Arizona Industrial Commission, Department of Occupational Safety and Health (OSHA)

Baker has been involved in industrial and construction site

Professional and Civic Involvement (Continued)

safety since 1974. He was first asked by the federal OSHA to help in formulating policy on trench safety and later by the state agency to help in training compliance officers. He has assisted OSHA as a volunteer in discussing with various legislators the problems facing OSHA and its need for regulatory help and necessary funding. He has been retained by OSHA in investigating, and training employees in investigation methods, on many serious and complex construction and industrial accidents. He has been retained by OSHA to investigate many accidents involving fatalities.

Areas of Expert Qualifications:

Baker has been accepted by the courts as an expert in the following areas:

Construction method and means,
Construction Quality,
Construction Safety,
Concrete design and construction,
Design of sewers and waste water treatment,
Industrial Safety,
Equipment failure,
Hydraulic Equipment,
Transportation Equipment and Safety,
Construction Equipment Safety,
Roofing construction and maintenance,
Building damage evaluation,
Structural Engineering,
Civil Engineering,
Land Surveying,
Road and Bridge design,
Human Factors,
Metallurgical evaluation,
Small boat handling and navigation,
Design of Marine Structures.

References

CMX Group, Inc. Don Dillon, 602 567 1900
BTI Consultants, Dr. Vaughn Adams, 602 443 1060
Charles Brewer, Esq. 602 381 3737
The Industrial Commission, Larry Etchechury, Director, 800
544 6488