



RESUME OF TONY HUFF, P.E.

Kentucky P.E. Lic. No. 17789, Ohio P.E. Reg. No. 58620
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Current Business Activity TONY HUFF & ASSOCIATES – Engineering Solutions OWENSBORO, KENTUCKY
Professional Engineer & Business Owner – Created THA Engineering Solutions in May 2000 to help people, business, and industry solve problems with engineering solutions. Assist clients with structural analysis and design, forensic investigations, inspections and certifications, general civil engineering and site development, drainage and hydrology, environmental studies and planning, construction management, and technical writing and publishing.

Prior Employment Experience TED LOLLEY & ASSOCIATES OWENSBORO, KENTUCKY
Jan. 2000 to May 2000 Project Engineer – Structural Engineering with emphasis in commercial and industrial applications. Worked with RISA 2-D and 3-D as well as other structural analysis programs.

Aug. 1999 to Dec. 1999 BRYANT ENGINEERING OWENSBORO, KENTUCKY
Project Engineer – General Civil Engineering with emphasis in land development and minor structural analysis and design. Exposure to AutoCADD and CivilSoft package.

May 1997 to Aug. 1999 JOHNSON, DEPP & QUISENBERRY ENGINEERS OWENSBORO, KENTUCKY
Project Engineer – General Civil Engineering with emphasis on transportation design projects and related environmental projects. Furthered education in MicroStation, InRoads InXpress and other engineering design tools.

May 1994 to May 1997 PALMER ENGINEERING WINCHESTER, KENTUCKY
Manager – General Civil Engineering with primary responsibilities in planning and environmental studies for transportation projects. Involved in general design and plan preparation for highway projects, primarily in Kentucky. Co-authored a major planning study and a total of five environmental assessments / FONSI documents.

Aug. 1991 to May 1994 KENTUCKY DEPARTMENT OF HIGHWAYS FRANKFORT, KENTUCKY
DIVISION OF TRAFFIC, PERMITS BRANCH
Provided technical assistance to district personnel on highway encroachment permit matters. Worked with engineers from other divisions and departments to review permit proposal plans and make recommendations. Interpreted and helped develop policies as well as advise central office, branch managers, directors, and other staff regarding encroachment permits. Helped start the Kentucky Engineering Exposure Network Program that goes into Kentucky classrooms to promote engineering as a profession.

Feb. 1991 to July 1991 KY DOH DIV. OF DESIGN, DRAINAGE SECTION FRANKFORT, KENTUCKY
EIT II, Intensive Assignment. Involved with review for approval of drainage plans and supporting calculations for compliance with state and federal waterway and floodway guidelines. Participated in HEC-1 and HEC-2 floodway simulation computer training.

- Jan. 1989 to Jan. 1991 **KY DOH TRAINING PROGRAM ROTATIONAL ASSIGNMENTS**
- Division of Bridges – Frankfort – two assignments, 6 months and 3 months – Worked with design of bridge structures, wingwalls, abutments, etc. Applied AASHTO guidelines for planning, design, and detailing of culvert and bridge structures.
- Division of Maintenance – Frankfort – 2 months – Worked with bridge analysis and condition ratings of various bridges. Participated in hands-on field inspection of bridges.
- Division of Materials – Frankfort – 5 months – Did layouts for subsurface drilling of proposed bridge and culvert construction sites. Participated in inspection of earth core samples and soil data to analyze the subsurface conditions for foundations.
- District 6 Construction – Covington – 2 months – Monitored construction activities on Mall Road Interchange with I-75 in Northern Kentucky. Tracked quantities of materials for contractor payment. Checked materials for compliance with KY DOH Standard Specifications. Worked as instrument man on the field location survey crew.
- District 6 Design – Covington – 3 months – Participated in day-to-day design activities. Attended district design meetings. Worked on calculation, detail, and design of Donaldson Road and Houston Road intersection in Northern Kentucky.
- District 6 Maintenance – Covington – 3 months – Gained exposure to and assisted in day-to-day maintenance activities including bridge inspection and evaluation, investigation of citizens’ complaints, guardrail replacement program, operation of county maintenance facilities, and other highway system functions.
- Summers 1984-88 **KENTUCKY TRANSPORTATION CABINET HIGHWAY SCHOLARSHIP PROGRAM**
- Scholarship student, Engineering Aide. Worked five summers for KY DOH in various capacities. Worked one semester part-time at the Materials Lab in Frankfort.
- Education **UNIVERSITY OF KENTUCKY** **LEXINGTON, KENTUCKY**
- Earned Master of Science degree in Civil Engineering in the area of study of Construction Management in August, 1992.
- Earned B.S.C.E. in December 1988. In upper 20% of Engineering Senior Class and upper 15% of Civil Engineering Senior Class with a GPA of 3.4 on 4.0 scale. Curriculum oriented toward structures and construction management. Worked with basic computer programming, CADD, and several structural analysis programs. Student member of KSPE and ASCE. Served as ASCE Student Chapter President 1987-88. Co-chaired session on “Careers in Transportation” at the 1988 Kentucky Forum on Transportation.
- Personal Born March 27, 1966 in Cincinnati, Ohio. Grew up in Knott County, Southeastern Kentucky. Graduated from Knott County Central High School with honors in 1984. Married Susan Park, of Owensboro, Kentucky in 1990. Have two daughters, 8 years old and 6 years old. Interests include hiking, cycling, basketball, and playing the guitar.
- Honors High School Senior Class President and Valedictorian. Univ. of Kentucky Commonwealth Scholarship Recipient 1984-85 and 1985-86. National Honor Society Scholarship recipient 1984-85. UK College of Engineering Dean’s List Fall 1984 and Spring 1985. Member of Chi Epsilon Civil Engineering honorary and Tau Beta Pi Engineering honorary. Served as President of Kentucky Section of ASCE. Received 1995 ASCE District 9 Daniel V. Terrell Award and 1996 ASCE Daniel W. Meade National Paper Award. Presented paper titled, “Mentoring: A Young Engineer’s Perspective” at NSPE Annual Meeting/ Professional Edge Conference in Rapid City, South Dakota in June 1997.
- References Personal and professional references available upon request.



RESUME OF ROBERT BARRON, P.E.

Kentucky P.E. Reg. No. 12023, Indiana P.E. Lic. No. 8701838

Address: 2200 Airport Road, Suite 60, Owensboro, KY 42301, Office Phone: 270-686-8525

Education: UNIVERSITY OF EVANSVILLE EVANSVILLE, IN
Earned Master of Science Degree in Engineering Management May 1982.

LOUISIANA TECH UNIVERSITY RUSTON, LA
Earned BSEE in Computers and Controls in November 1969. Curriculum oriented toward Computer Interface Design and Control Theory. Worked on NASA research project designing communication links from the ground to a space station.

Employment Experience TONY HUFF & ASSOCIATES (THA) ENGINEERING SOLUTIONS – OWENSBORO, KY
Principle Engineer – April 2003 to Present – Support the company in the areas of natural gas and construction management.

Texas Gas Transmission – Provide MOAP determination for fabrication, compressor stations, and measurement facilities throughout the entire system. Perform an up-rate study on the Western Kentucky System consisting of many small diameter lines and delivery stations. These lines were installed in the 1920's and have updated over the years. Write portions and edit the Engineering Manual.

ALCAN Primary Metals – Determine the jurisdiction of a 16 mile pipeline system and gas field.

Southern Star Gas Pipeline – Provide construction management for \$10 million corporate office.

Pilot Gas - Provide system design, pipeline safety, and mapping services for new gas production and gathering system.

EN Engineering – Perform risk assessments of Northern Natural Gas's compressor stations.

WILLIAMS GAS PIPELINE – OWENSBORO, KY
Director of Engineering – Nov. 1999 to Feb. 2003 – Directed the Engineering Department for Texas Gas and Central Gas Pipeline. The staff was responsible for design and construction of all pipeline, storage, measurement, and compression facilities from Louisiana to Ohio and Wyoming to Missouri. The Construction budget for the two companies averaged \$100,000,000 a year. The staff consisted of 80 engineers and drafters. Work included numerous measurement and regulation facilities using, ultrasonic, orifice, turbine, and displacement type meters; pipeline replacements consisting of diameters from 4 inch to 36 inch and from several hundred feet to several miles; replacement horsepower from several hundred to 15,000 horsepower; grassroots compressor stations and pipelines. The largest pipeline project, Western Frontier, consisted of 400 miles of 30 inch pipeline. In 2002 we in designed and constructed eight measurement stations and laterals for power plants ranging in size from 53,000 Dkt/d to 204,000 Dkt/d. We also designed and constructed numerous receipt and delivery stations.

Director of Plant and Design – Jan. 1998 to Nov. 1999 – Directed the Plant Design group for five natural gas pipelines responsible for the design of all compression and storage facilities. The group designed compression projects from border to border and coast to coast. Work included depleted gas reservoir and salt cavern storage field expansions; dehydration and desulphurization facilities; small 300HP skid mounted reciprocating compressors to multiple 15,000HP turbines.

Director of Engineering – April 1995 to Jan. 1998 – Directed the Engineering Department for Texas Gas Transmission Corporation. The staff was responsible for design and construction of all pipeline, storage, measurement, and compression facilities from Louisiana to Ohio. Responsible for over 150 individual projects each year ranging from \$40,000 to \$15,000,000.

TEXAS GAS TRANSMISSION CORPORATION – OWENSBORO, KY
Director of Engineering – April 1989 to April 1995 – Director of the Engineering Department for Texas Gas Transmission Corporation. The staff was responsible for design and construction of all pipeline, storage, measurement, and compression facilities from Louisiana to Ohio. The average yearly construction budget was \$40,000,000. Planned, routed and acquired land and permits for a 155 mile, 30 inch pipeline and compressor station including Mississippi River crossing. The Citizens Gas Project completed in 1989 consisted of a crossing of the Ohio River and 70 miles of 20 inch pipe, 78 miles of 16 inch pipe, and two 12 inch orifice meter runs.

General Manager – Nov. 1987 to April 1989 – Leader of the Engineering Department for Texas Gas Transmission Corporation. The staff was responsible for design and construction of all pipeline, storage, measurement, compression facilities, telecom, SCADA, and computer systems. In 1988, traveled to Japan to assist Sumitomo with the design, routing, measurement and operation of the Japex Pipeline Project consisting of 158 miles of 18 inch pipe, 30 miles of 6 inch pipe and 21 mile of 4 inch pipe.

Manager Electrical Engineering – Jan. 1982 to Nov. 1987 – Responsible for the design, construction, and maintenance for all electrical power, control lighting, station automation and data acquisition systems; computer data processing, control, and data acquisitions systems, communication systems including telephone, VHF radio and microwave. Responsible for training and testing field electrical personnel and initiating routine maintenance programs.

Manager of Electrical Services – Nov. 1975 to June 1982 – Responsible for all electrical and computer maintenance and training for entire pipeline system.

Senior Engineer – July 1974 to July 1975 – Responsible for all electrical design and installation of engine and computer facilities at Midland III Compressor Station.

Engineer – July 1972 to July 1974 – Working on various field electrical projects. These include power, control, automation, computer, and pneumatic systems.

Junior Engineer – March 1970 to July 1972 – Designed and constructed computerized station monitoring systems at Slaughters, KY and Dillsboro, IN Compressor Stations.