

Bruce L. Shrake, P.E., PTOE
President/CEO and Principal

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Experience

Bruce L. Shrake joined Gewalt Hamilton Associates, Inc. in 1988. He became Principal of the firm in 1990 and has also served as Vice President for 17 years, currently serving as President/Chief Operating Officer. Prior to joining GHA, Mr. Shrake served as the City Engineer for the City of Des Plaines for five years. Mr. Shrake has been in charge of our design section of the firm and mainly concentrates his practice on Roadway Improvements including IDS, Traffic Signal Design, Warrant Studies and Geometric Improvements. He is also responsible for organizing and managing large traffic data gathering projects and for changing the prime focus from the use of roadway tubes to using electromagnetic counters in 1995.

Signal and Intersection Engineering

Program development, final design, and construction phase services for multiple signalized intersections using State, Federal, and CMAQ funding.

Municipal Engineering

Design responsibility for stormwater management plans, sanitary sewer rehabilitation plans, flood control, and water main improvements. Investigated various methods for financing and implementation of the improvements deemed necessary. Design and construction phase responsibility for a variety of municipal-level projects including local roadway construction, upgrading, and rehabilitation; stormwater management and flood control; sanitary sewer and public water supply, transmission and pumping facilities; and comprehensive operation and maintenance programs.

Site Development

Planning, design, and construction phase responsibility for various recreational, office, school, church, residential, industrial and governmental site design projects, including stormwater management, utilities, parking facilities, adjacent highway modifications, and athletic/recreational facilities. Projects have included a 450-acre multi-use site in the south suburbs of Chicago for Gatling Development, along with Kelly Playfields, Tom T. Hamilton Sports Complex, Terra Springs Subdivision, and Lippold Park in Crystal Lake.

IL Rte 19 at IL Rte 59 Roadway Widening and Traffic Signal Improvements

Mr. Shrake served as the Project Manager for this Village of Streamwood project which involved widening of IL Rte 19 and modifications to IL Rte 59, modernization of a traffic signal and installation of two additional signals, and modification of the fiber optic system. Services included a Traffic Impact Study, IDS, permitting, and construction observation.

Traffic Data Collection, Illinois Department of Transportation

GHA has been providing traffic data collection services for the Illinois Department of Transportation since 2001. During this period we have collected over 50,000 locations in Illinois using passive magnetic sensors (PMS).

Wildwood Subdivision, Marengo, Illinois

Mr. Shrake served as Project Manager for this 115-acre conservation-oriented residential subdivision, which included a mile-long permeable pavement circulation drive, underdrains, rain gardens, and the elimination of ditches. The property contained over 1,800 trees of 6" diameter or greater, of which only eight were removed.

Education

Bachelor of Science, Civil and
Environmental Engineering,
University of Rhode Island, 1975

Master of Science in Management,
Lake Forest Graduate School of
Management, 1989

Professional Registration

State of Illinois Licensed Professional
Engineer [REDACTED]

Professional Traffic Operations
Engineer (PTOE) [REDACTED]

Memberships

National and Illinois Society of
Professional Engineers

American Public Works Association

International Municipal Signal
Association

Institute of Transportation Engineers

Community Service

Former Lakes Region Sanitary
District Trustee

St. Bede Church Parish Pastoral
Council President, 2007-2009

St. Bede Church Board of Specified
Jurisdiction President, 2010-2014

St. Bede Church Parish Finance
Council Member, 2013-Present