



Engineering, Product Liability, Fire/Explosion Investigations, Motor Vehicle Crash Reconstruction

Mark Walsh M.S.C.E., P.E

EXPERIENCE:

August 2001 to present: Barnett Forensic Services Inc, Noblesville, IN
Forensic investigations performed in areas of expertise.

August 1994 to 2001: Walsh Engineering Services, P.C.
Interact with clients on specific projects to meet their needs. Prepared drawings and specifications, observed construction in progress; for the foundation, superstructure and attachments thereto for residential, commercial, institutional and industrial buildings. Materials and methods of construction used include: wood frame construction, light gage steel construction, reinforced and un-reinforced masonry, frames of steel and reinforced concrete, and pre-cast concrete. Visit job sites to document work progress with respect to drawings and specifications. Provided forensic reports when requested with explanations for the conditions.

April 1993 to August 1994: McComas Engineering, Inc., Indianapolis, In.

June 1987 to April 1993: Everett I. Brown Co., Indianapolis, In

January 1983 to March 1987: Charles F Terry, Inc., Dallas, TX
Project Engineer: Prepared the drawings and specifications for various buildings. Designed structures using the following materials: wood, metal studs, reinforced and unreinforced masonry, frames of steel (type I & II construction), reinforced concrete including precast concrete and tilt-up concrete buildings. Visited job sites and assisted contractors when problems arose.

June 1981 to June 1982: Piping Design Services, Richland Washington, and Assigned to Glen Rose TX.
Group Leader: Analyzed frames in the Frame Analysis Group. Kept management informed of groups progress; motivated engineers to increase efficiency by standardizing common engineering problems; and used the STRUDL computer program.

February 1981 to June 1981: Butler Service Group, Braintree, Ma, and Assigned to Charlotte, North Carolina
Engineer: Obtained as-built dimensions from existing frame structures, calculated loads for various items attached to the frames, and determined member stresses for different load combinations.

April 1978 to February 1981: Bechtel Power Corp. Ann Arbor, Mi.
Engineer: Engineered the foundations of pre-fab buildings, engineered the foundation for the power block of a coal-fired power plant and a diesel-powered pump house. Designed and engineered small frames for HVAC, pipe supports, electrical conduit and cable trays.

March 1977 to April 1978: Hubell, Roth & Clark, Inc., Bloomfield Hills, Mi.

Assistant Engineer: Engineered water and wastewater treatment structures, pumping stations, water retention structures and a ten-foot diameter tunnel.

ADDITIONAL INFORMATION:

M.S. in Civil Engineering 1982, and B.S. in Civil Engineering 1976, both from Wayne State University, Detroit, MI.

Registered Professional Engineer in the states of Alabama, Florida, Georgia, Indiana, Kentucky, Michigan, Missouri, Montana, Nebraska, North Carolina, Ohio, South Carolina, Tennessee, and Texas.

Registered Structural Engineer in the state of Illinois and Arizona

Recipient of a Silver Award from James F. Lincoln Welding Foundation for the Advancement of Arc Welded Design.

Co-author of article in the Welding Innovation Quarterly, "Welding for Efficiency and Aesthetics is used in Skylight Structure".

Co-author of article published for ASCE Geotechnical Journal, "Analysis of Drilled Shafts in a Deep Fill".

PREVIOUS PROJECTS:

Pre-cast for the Conseco Field House, Indianapolis, IN

Addition to and Renovation Huntington North High School, Huntington, IN

Addition to and Renovation Elkhart Career Center, Elkhart, IN

Addition to and Renovation of Goshen High School, Goshen, IN

Eastern Star Missionary Baptist Church, Indianapolis, IN

Sugar Grove Markets, Greenwood, IN

A new building for Fifth Third Bank, Indianapolis, IN

Manufacturing building for Mitchell and Scott, Indianapolis, IN

A new school for New Vienna Elementary School, New Vienna, Ohio

Expansion to Danville Waste Water Treatment Plant, Danville, IN

Expansion to New Whiteland Waste Water Treatment Plant, New Whiteland, IN

A new building for Church of Acts, Indianapolis, IN

Office for Davidson Lumber, Greenwood, IN

Terminal Building for North Vernon Airport, North Vernon, IN

A new school for Sabina Elementary School, Sabina, Ohio

Expansion to Ebenezer Baptist Church, Indianapolis, IN

Expansion to Oasis of Hope Baptist Church, Indianapolis, IN

Addition to St. Malachy School and Church, Brownsburg, IN

A new building for New Life Baptist Church, South Bend, IN

Pre-cast concrete on U.S. Express, Indianapolis, IN

Residential and multi-family light gage steel framing, Steel-Tite Inc., Gary, IN

Summerwind Apartments, Warsaw, IN

Arby's Proto-type Restaurant

Expansion to Danville Waste Water Treatment Plant, Danville IN
Pre-cast multi-family housing units, Durable Concrete Structures, Noblesville, IN
Maintenance Building, Beaver Concrete, Noblesville, IN
Foundation design for Action Steel, Indianapolis, IN
Foundation design for Atlanta Christian Church, Atlanta, GA
Structural Modification for the Downriver Praise Center, Southgate, MI
Office Building for Davidson Lumber, Greenwood IN
Safety evaluation of Ryder Truck Maintenance Building, Indianapolis, IN
Ellettsville Waste Water Treatment Plant, Ellettsville, IN
Structural Investigations for many clients on different types of structures.
Structural Engineer for Cranewerks, Inc., Arlington, IN