

# FORCON INTERNATIONAL

**CHARLES G. BEADLES, P.E.**

## **EDUCATION:**

B.C.E., Civil Engineering, Georgia Institute of Technology, 1967  
M.S., Civil Engineering, Georgia Institute of Technology

## **PROFESSIONAL ACTIVITIES:**

American Concrete Institute, Past President, Atlanta Chapter  
National and Georgia Society of Professional Engineers; Young Engineer of the Year in DeKalb County, 1979; Charter Member of Gwinnett Chapter.  
Concrete Advisory Board of Georgia  
International Association of Concrete Repair Specialists

## **PROFESSIONAL REGISTRATIONS:**

Registered Professional Engineer, Georgia and Florida  
Concrete Inspection Engineer, Level III, (Nuclear Regulator Commission Certification)  
ACI/ASME

## **CAREER HISTORY**

**FORCON International**, Atlanta, Georgia - Forensic Consultant

**S&ME, Inc.**, Norcross, Georgia - Senior Materials Engineering Consultant

Willmer Engineering, Inc., Atlanta, Georgia      Principal Consultant,

**CB Engineering, Inc.** Grayson, Georgia - President and Senior Engineer

**Dixon & Associates, Inc.** - Forensic Engineers, Lawrenceville, Georgia Consulting Materials Engineer and General Manager

**Westinghouse Environmental and Geotechnical Services, Inc.** (formerly Soil & Material Engineers, Inc.), Atlanta, Georgia - Manager of Materials Engineering

**S&ME Industrial Technologies, Inc.**, a subsidiary of Soil and Material Engineers, Atlanta, Georgia President

**Soil & Material Engineers, Inc.**, Atlanta, Georgia - Senior Materials Engineer and Assistant Branch Manager

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**Law Engineering Testing Co.**, Atlanta, Georgia Materials Engineer/Materials Department Manager

## **REPRESENTATIVE ACTIVITIES**

Materials Consultant on many forensic concrete evaluations to determine causes of concrete slab and pavement failures, including significant projects for MARTA and Sam's Club / Wal-Mart stores, Georgia Power, Metropolitan Life, Kroger and MONY.

Project Manager/Senior Materials Engineer on numerous major Atlanta, including Marriott Marquis Hotel; Galleria Office Buildings, Waverly Hotels and Retail Centers and associated parking structures; Northpark Towne Center; Merchandise Mart Addition; 999 Peachtree Street; Peachtree Plaza Hotel; Hyatt Regency Hotel Additions; Wildwood Office Buildings. On-site labs were used for each of these projects, and many utilized floor flatness, accelerated or in-site strength testing port-tensioning, structural steel, and/or roofing related services.

Materials Engineering Manager for Westinghouse Environmental and Geotechnical Services, Inc., responsible on a company-wide basis for materials engineering review, consultation, and resources. Managed materials and structural evaluations employing cement, bitumen and aggregate testing, infrared, ground penetrating radar, borescope, half-cell, petrographic, ultrasonic, etc., capabilities. Laboratory capabilities included extensive static and dynamic physical testing, instrumentation, materials characterization, etc.

Project Manager and Senior Concrete Consultant for \$8 billion Vogtle Nuclear Plants 1 and 2 construction for Georgia Power Company, Waynesboro, Georgia, 1977 to 1987. As ASME/ACI Concrete Inspection Engineer, conducted source evaluation and qualified all concrete materials, designed, evaluated and appropriately adjusted all 24 concrete mix designs, excavatable concrete backfill with seismic design criteria, and expansive grouts. Designed and implemented quality assurance, control, and training programs related to concrete materials source production, batching, mixing, placing, consolidation, and curing, and for pile, caisson, reinforcing steel, and soil construction testing and inspection. As Project Manager was responsible for training and technical supervision of staff of up to 40 ANSI certified inspectors conducted inspection and testing of the above construction over a period of about 8 years— a total of about 200 man years of quality control inspection and testing.

Project Principal/Quality Assurance Manager for numerous FAA funded airport projects, including current Hartsfield 5<sup>th</sup> Runway construction, Greenville Spartanburg Airport runway extension and rehabilitation of airports in Griffin, Moultrie, Vidalia, Columbus, Albany, Blairsville and Dawson, GA, Charleston, SC, and Louisa, VA.

Materials Consultant to engineers for Atlanta's MARTA rapid rail system. Revised materials specifications from previous transit systems for local materials and practices. Advised PBTB as to concrete, soil, and asphalt lab set-up and procedures.

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Project Manager for static, dynamic and electrical testing of resilient fastener plates for New York City Transit Authority.

As President and Chief Engineer of S&ME Industrial Technologies, was responsible for developing asbestos engineering company. Responsible for evaluating all aspects of this business, and supervising the development of all management and procedural programs, including comprehensive Quality Assurance programs. Responsible for rapid profitable growth goals, establishing operations in seven branch offices throughout the southeast. Major Atlanta based projects included designing and supervising the abatement of asbestos in all Gwinnett County schools and the abandoned original massive Westinghouse Electric manufacturing plant in Pittsburgh, PA. Provided guidance during start-up of an asbestos abatement company, Westinghouse Haztech.