

Toledo Section IEEE

The Speaker

James M. Barker, S.E., P.E.
Vice President HNTB Corporation

EDUCATION

B. S. Civil Engineering, Purdue University, 1965

PROFESSIONAL REGISTRATIONS

Registered Structural Engineer, Illinois
Registered Professional Engineer, 14 States

Professional Affiliations:

American Society of Civil Engineers
American Concrete Institute, Past Member Committee 343, Concrete Bridges
Prestressed Concrete Institute (P.C.I.)
 Past Chairman and Member - P.C.I. Bridge Committee,
 Member P.C.I. Bridge Producers Committee,
 Post-Tensioning Institute
American Railway Engineers and Maintenance of Way Association
Member - AREMA Committee 8
National Society of Professional Engineers
Florida Engineering Society
American Segmental Bridge Institute
International Association of Bridge and Structural Engineers
1998-99 President - Florida Coalition of American Structural Engineers

Publications:

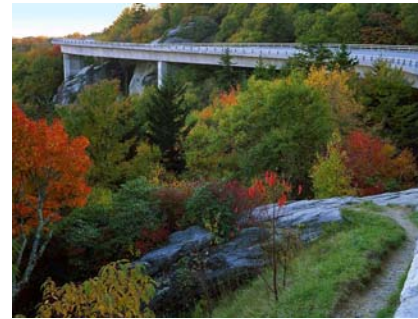
Fifteen papers which have been published in the United States and other parts of the World.

Experience

Thirty eight years of bridge design and construction experience. Thirty one years of segmental concrete bridge design and construction experience. Has had the privilege of designing and then building four segmental concrete bridges in the United States.

Special Awards

PCI Robert C. Lyman Award for "Design and Construction of Linn Cove Viaduct," 1986



Fellow, American Concrete Institute
1999 Purdue Civil Engineering Alumni Achievement Award, voted by Purdue Civil Engineering Faculty, Purdue University, 1999

Presentation Abstract

The slide presentation will cover the planning, design and construction of the Maumee River Bridge Project. As a brief history of the project, we will review the bridge types considered by the public of Toledo, some innovative ideas incorporated during the design process and the test program of the cable stay components.

Construction will address the construction of drilled shafts including some specialized testing, the casting of the precast segments and the erection of both the ramp and mainline approach segments. We will also visit the pylon construction and the planned segment erection for the main river spans.

The discussion will end with a brief description of an instrumentation program being performed jointly by the University of Cincinnati and the University of Toledo Civil Engineering Departments.