

MICHAEL W. WHITNEY, PH.D., P.E.

Principal

EDUCATION

Doctor of Philosophy in Civil Engineering
University of Kentucky 1996

Master of Science in Civil Engineering
University of Kentucky 1988

Bachelor of Science in Mining Engineering
University of Kentucky 1986

PROFESSIONAL REGISTRATION

Texas



PUBLICATIONS AND CONFERENCES

"Barge Collision Design of Highway Bridges"
ASCE Journal of Bridge Engineering, Vol. 1, No.2

"Built to Burn"
Structural Engineer

"Design of the Longest Fiber Reinforced Cable
Suspended Bridge in the World"
50th Annual Conference of SPI Composites Institute

"Design Guidelines for Impact Design of Bridges"
12th International Bridge Conference
Pittsburgh, Pennsylvania

"Wild Ricing Moon"
Modern Steel Construction (Pending)

"Dynamic Design of Bridges Susceptible to Barge
Impact"
International Conference on Structures Under Shock &
Impact, Udine, Italy

PROFESSIONAL EXPERIENCE HIGHLIGHTS

Dallas Convention Center, Dallas, TX

- World's largest column-free exhibit space (210,000 sq. ft.) with roof supported by two-pairs of 400 foot long parabolic pipe tied-arches
- Trusses were erected on the deck and raised as a single unit onto their support columns
- 4' diameter pipe arches connect to 400 ft long primary pipe trusses using unique five foot diameter connection hemispheres
- Vibration isolation of the exhibit floor over the five railroad lines (425 psf design dead load and 350 psf design live load) using spring isolators
- \$148,000,000 project budget.



Dallas Convention Center



Dallas Convention Center

National Civil Rights Museum, Memphis, TN

Blues City AAA Ballpark, Memphis, TN

Northern Kentucky-Cincinnati Convention Center, Cincinnati, OH

N. K.-C. Convention Cntr



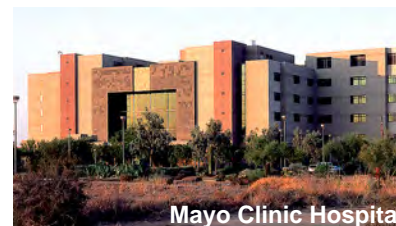
Pikeville Methodist Hospital, Pikeville, Kentucky

Carolinas Hospital System Replacement Hospital, Florence, South Carolina

Jackson Hospital, Montgomery, Alabama

Mayo Clinic Hospital, Phoenix, Arizona

Scott Air Force Base Hospital Seismic Upgrade, Scott Air Force Base, Illinois



Mayo Clinic Hospital

Sandestin Hotel and Convention Center, Destin, FL



Sandestin

Tides at Tops'l Hotel, Destin, FL



Tides at Tops'l

Opryland U.S.A. Hotel & Convention Cntr, Nashville, TN



Opryland U.S.A.

Baptist Memorial Hospital, Collierville, Tennessee

Memphis Baptist Memorial Hospital East Hospital Expansion, Memphis, Tennessee



Opryland U.S.A.

Baptist Shared Services Campus, Memphis, Tennessee



Murphy Stadium

Murphy Stadium, Murphy, TX

Carpenter Middle School, Plano ISD, Plano, TX

All Saints Tensegrity Sculptures, Dallas, TX

Carpenter Middle School, Plano ISD, Plano, TX



Friendship Church

Friendship Church, Dallas, TX

ESPNZone, Anaheim, California

Allen Natatorium, Allen ISD, TX



Allen Natatorium



ESPNZone

River Trails Elementary School, Hurst, Euless, Bedford ISD



Richardson Performing Arts

Richardson Performing Arts Center, Richardson, Texas

Jerry Junkins Elementary School, Dallas ISD, Dallas, TX

Sugar Land Recreation Center, Sugar Land, TX

UTSWMC North Campus Phase 4 - Research & Garage, Dallas, TX



UTSWMC North Campus

TCCD Fire Training Center, Fort Worth, TX

Garland Crime Lab, Texas Department of Public Safety, Garland, TX

Grand Prairie Police Facility, Grand Prairie, TX



Grand Prairie Police

Mesquite City Hall, Mesquite, TX



Mesquite City Hall



Grand Prairie Police

Texas A&M Science Building, Commerce, TX

Midwestern State University Student and Wellness Center, Midwestern State University, Wichita Falls, TX



Texas A&M Science Building

Grand Prairie Adult Activity Center, Grand Prairie, TX



Grand Prairie Adult Activity Center, Grand Prairie, TX

DISD Arena (Field House), Dallas ISD, Dallas, TX

DISD Football Stadium, Dallas ISD, Dallas, TX



Mesquite Police

Mesquite Police, Mesquite, TX

Colleyville City Hall & Public Library, Colleyville, TX

Bryan Police and Courts Facility, Bryan, TX