

FEBRUARY 2015 MEETING

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TECHNICAL PROGRAM

Post-Tensioned Concrete as it applies to Tennis Court Construction

Speaker: [Benjamin A. Brooks, Jr., P.E.](#), [Patriot Court Systems, Inc.](#) Tel: 713- 822-5554

Benjamin A. Brooks, Jr. is a Professional Engineer, an FPA and Structural Committee member and is President/Owner of Patriot Court Systems, Inc. He earned his Bachelor of Science in Civil Engineering from The University of Texas at Austin and his Master of Business Administration from the University of Houston. He has over 40 years of construction experience in commercial, residential, and recreational facilities in the United States and internationally, including facilities in Argentina, Brazil, Colombia, Iran, Mexico and Venezuela. From 2001-2014, he completed over 900 construction and repair projects of Tennis Courts and Hard Surface Recreational Courts in Texas as an owner, president and engineer for Patriot Court Systems, Inc.



PRESENTATION SUMMARY

When properly designed and installed, Post Tensioned Concrete, either constructed as the Tennis Court Slab, or constructed directly over existing older Tennis Courts, provides a strong durable playing surface that will withstand the effects of weather, remain stable for substantial amount of time, and withstand reasonable abuse, with the advantage of resistance to cracking due to the compression induced into the slab by the steel tendons under load.

This presentation provided examples of remedial measures performed on various tennis courts, showing both the conditions that made repair/reconstruction necessary, as well as the results following the work performed. In addition, construction methods and procedures were described and shown. Issues related to successful completion of application of post-tension slabs for remedial work were also described and illustrated.