



## *Florida Department of Transportation*

JEB BUSH  
GOVERNOR

605 Suwannee Street  
Tallahassee, FL 32399-0450

JOSÉ ABREU  
SECRETARY

November 25, 2003

### MEMORANDUM

**TO:** District Structures Design Engineers:  
Gerry Moliere, Rod Nelson, Keith Shores, John Danielsen, Neil Kenis,  
Kim Saing, Jose Rodriguez and Agnes Spielmann,  
District Geotechnical Engineers:  
Terry Puckett, Chandra Samakur, Sam Weede, Juan Castellanos,  
Kathy Gray and Wing Heung,

**FROM:** William N. Nickas, P.E., State Structures Design Engineer

**COPIES:** Assistant Secretary Ken Morefield,  
District Secretaries:  
Ricky Langley, Aage Schroder, Edward Prescott, Rick Chesser, Mike  
Snyder, Johnny Martinez, Ken Hartmann and Jim Ely,  
State Highway Engineer, Freddie Simmons,  
Office of General Council, Pamela Leslie and Clay McGonagill,  
Director Office of Design, Bob Greer,  
District Directors of Production:  
Mike Williams, Larry Parks, Gene Martin, Gerry O'Reilly, Noranne  
Downs, Javier Rodriguez, Donald Skelton and Nancy Clements,  
District Directors of Operations:  
Debbie Hunt, Nick Tsengas, Jimmy Rodgers, James Wolfe, George  
Gilhooley, Gus Pego, Jim Moulton and Bruce Seiler,  
Structures Design Engineers:  
Jack Evans, Larry Sessions and Marcus Ansley,  
State Geotechnical Engineer, Larry Jones,  
Federal Highway Administration:  
Jim St John, Florida Division Administrator; Doug Edwards, Bridge  
Engineer – Florida Division; Myint Lwin, Director, Office of Bridge  
Technology; Peter Osborn, Geotechnical & Hydraulics Team Leader,  
FHWA Resource Center; and Chris Dumas, Geotechnical Engineer,  
State Specifications Engineer, Duane F. Brautigam,  
State Construction Engineer, Ananth Prasad,  
District Construction Engineers:  
Jon Sands, Henry Haggerty, Steve Benak, Jennifer Olson, Frank O'Dea,  
Mark Croft, James Moulton and Bill Sears,  
District Structures and Facilities Engineers:  
Pepe Garcia, Keith Campbell, John Locke, Jorge Martos, Ron Meade,  
Frank Guyamier, Pepe Garcia and Mike Werner

**SUBJECT:** Temporary Design Bulletin C03-12  
Resume Consideration of Drilled Shafts with Pressure-Grouted Tips.

**REQUIREMENTS:**

This design bulletin rescinds *Temporary Design Bulletin C03-06, Discontinue Consideration of Drilled Shafts with Pressure-Grouted Tips*, dated July 10, 2003 and revised August 4, 2003. Drilled shafts with pressure-grouted tips may again be used on FDOT projects.

The following note shall be added to all FDOT Plans Sheets presenting construction methods or procedures for drilled shafts with pressure-grouted tips:

NOTE: A.H. Beck Foundation Company, Inc. owns U.S. Patent No. 6,371,698 entitled "Post Stressed Pier." You are advised that the Department has, in any case, obtained a patent license agreement with A.H. Beck Foundation Company, Inc. that provides royalty free use of U.S. Patent No. 6,371,698 in the design, manufacture and construction of the post-grouted drilled shafts on this Department project, and no royalties will be asserted by A.H. Beck Foundation Company, Inc. against the Department, the prime contractor, subcontractors, manufacturers, or suppliers as to the post-grouted drilled shafts for this project. For more information as to U.S. Patent No. 6,371,698, contact:

A.H. Beck Foundation, Inc.  
5123 Blanco Road  
San Antonio, Texas 78216  
Phone (210) 342-5261

**COMMENTARY:**

A license agreement has been reached with A.H. Beck Foundation Company, the owner of the inventions disclosed and claimed in United States Letters Patent No. 6,371,698 entitled "Post Stressed Pier".

The license agreement permits FDOT to authorize its Contractor Affiliates and its State and Local Government Affiliates to practice the technology disclosed and claimed in the patent within the State of Florida on any project having FDOT Participation.

For the purposes of the license agreement "FDOT Participation" means a design or construction project incorporating the licensed technology, in which the Florida Department of Transportation provides meaningful or significant project funding or material project support in the nature of design, construction, inspection, or project oversight or management.

**BACKGROUND:**

See *Temporary Design Bulletin C03-06*.

**FOLLOW-UP:**

Effective immediately consideration shall be given to the feasibility and economy of constructing drilled shaft foundations with pressure-grouted tips on appropriate FDOT projects.

LJ/CM/WNN