

**Staged Construction for Building Over Buried Organic Deposits**

The construction of the roadway ramp across Lake Bonnet in Florida used a staged construction strategy for building over buried organics. This project included a roadway embankment, which varied in height from 14 to 24', over material that could hardly sustain the weight of a human. Staged construction allowed the soft soil to gain strength with time. A method was also developed to determine the increase in soil strength that resulted from staged construction.

The project illustrates the cost-effectiveness of staged construction. It caused minimal disturbance to the Lake Bonnet ecosystem, it was the least expensive construction alternative, and it minimized traffic interruption and provided maximum safety during construction. The roadway has performed well, which demonstrates that building on very compressible soils, such as peat deposits, is not impossible.

Contact: Robert L. Goehring, P.E.---Not Current  
Organization: Professional Service Industries, Inc.  
Jammal & Associates Division  
Address: 8535 Baymeadows Road, Suite 18  
City: Jacksonville  
State/Province: FL  
Postal Code: 32256  
Country: USA  
Phone No: 904-737-6611  
FAX:  
URL:  
Email: