



Deep Foundations/Lateral Earth Support

September 21, 2010

This presentation, led by instructors from GEI and AECOM, will refresh Illinois Structural Engineers in foundation engineering as it relates to the analysis and design deep foundations and deep excavations in an urban setting. The instructors will also address performance monitoring and verification of structural performance of permanent and temporary structures.

AGENDA

Morning - Deep Foundations (8:00 to 12:00)

Geotechnical Exploration, Testing and Reporting (what to look for)	Walton
IBC Seismic Site Classification (what does it really mean)	Thomas
Lateral Loading of Deep Foundations (Broms to LPile)	Thomas
Driven Foundations	Thomas
Drilled Foundation	Walton
Deep Foundation Construction, Inspection and Post Construction Testing	Thomas
Case History	Walton/Thomas

LUNCH (included in cost of program)

Afternoon – Lateral Earth Support (12:30 to 5:00)

Overview of Earth Retention (Sheeting, Soldier Pile & Lagging and Slurry Walls)	Walton
Jet Grout and Soil Nail Walls	Walton
Secant Pile Walls	Sarabia
Performance Monitoring and Verification	Sarabia
Case Histories (Infinity Tower and Capital Mall)	Walton (Shields)

Bill Walton, P.E., S.E. is a licensed civil and structural engineer in 16 states and has 30 years experience in the geotechnical and geo-structural design and construction of dams, hydroelectric facilities, embankments, landfills, steel mills, power plants, wind turbines, building foundations, marine docks, and cofferdams. **Fernando Sarabia** is a geotechnical engineer with a specialty in computational geo-mechanics. His work in the field of numerical modeling has given him a unique background in the planning, performance and interpretation of both in-situ and laboratory testing. **Jeremy Thomas, P.E.** has worked on a wide variety of projects including telecommunications towers, suburban developments, highrises in downtown Chicago and a variety of international projects including a six month period working in Australia.

The seminar will provide 8.0 hours of continuing education credit. Advance reservations are required – please see instructions below. If you have questions on the seminar, please contact Elizabeth O'Connor at 312-726-4165 x301.

Registration Form				
Deep Foundations/Lateral Earth Support				
September 21, 2010				
	Name	E-Mail Address	Daytime Phone	
	Company Name		Cell Phone	
	Address		Yes	No
			SEAOI Member?	
MAIL FORM AND PAYMENT TO: SEAOI 134 N. LaSalle Street, Ste. 1910 Chicago, IL 60602	City / State / Zip		<input type="checkbox"/> Charge to Credit Card <input type="checkbox"/> Check Enclosed (payable to SEAOI)	
<u>Or fax your registration form to the SEAOI office at 312.726.4166</u>	Card No.	Expiration Date	Amount Enclosed	
	Signature			
Registration Deadline: Sept. 14	<u>Seminar Location:</u> University Center of Chgo. 525 S. State Street Lake Room, 2 nd fl. Chicago, IL 60605	<u>Seminar Fee:</u> SEAOI Members: Non-Members:	<u>By Sept. 14</u> \$300 \$400	<u>After Sept. 14</u> \$375 \$475
Late Registration: Sept. 14-20				
Cancellation Fee by Sept. 14: \$50				
No Refunds after Sept. 14				