



The Deep Foundations Institute is a not-for-profit association of contractors, engineers, manufacturers, suppliers, owners and academia.

DFI's membership promotes understanding and advancement of the deep foundations & excavations construction industry through conferences, publications, and community.

The technical committees, Augered Cast-In-Place Pile, Drilled Shaft, Driven Pile, Helical Foundations & Tiebacks, Marine Foundation, Micropiles, Seismic and Lateral Loads, Slurry Wall, Soil Mixing, Testing and Evaluation, and Tiebacks & Soil Nailing provide industry leadership for these foundation systems, through the publication of Guides, Specifications and References and by providing educational programs.

The membership is international.

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## For Immediate Release

### DFI 2006 Outstanding Project Award

August 8, 2006, Hawthorne, NJ: The Deep Foundations Institute is proud to announce Schnabel Foundation Company as the winner of its Annual Outstanding Project Award for their design/build subcontract of the Reno Transportation Rail Access Corridor (ReTRAC), in Reno, Nevada. The presentation of the award will take place at the Gala Awards Banquet during the 31<sup>st</sup> Annual Conference on Deep Foundations, being held October 4-6 at the Omni Shoreham Hotel in Washington, D.C.



The \$15.2 million design and construction of the Reno ReTRAC project was no easy feat. The goal of the project was to depress a railroad alignment through downtown Reno. The trench section was 2.2 miles long, 54 ft. wide, and up to 35 ft. deep. One challenge was to underpin 11 structures while also providing 202,800 square feet of earth retention in soil conditions that consisted of, in some cases, thirty to fifty percent of cobbles

and boulders. Some boulders were up to eight feet in diameter, and the removal of such boulders was made an even greater challenge due to the tight working conditions in the active downtown location and gambling hotspot of the "Biggest Little City in the World".

Methods created and used during the course of the project that contributed to the ingenuity of design and construction were: the creation of watertight retaining walls directly under four buildings with a combination of permeation grouting, pier underpinning, permanent tiebacks, and thin architectural facing; the development of a micropile/pile cap system for the underpinning of five structures; and battered soil nail earth retention system for its versatility, cost-effectiveness, and quick installation, all of which helped Schnabel to meet the owner's needs.

Please join DFI in congratulating Schnabel Foundation Company on a job well done on October 5<sup>th</sup> for the presentation of the award. From the 17 projects nominated for this award, eight others will receive special recognition awards that evening as well:

- RC Harris Water Filtration Plant Expansion Excavation Support Design - Isherwood
- Emerson Memorial Bridge Project - Traylor Bros. Inc.
- Kaministiquia River Bank Stabilization - DST Technologies Inc.
- Victory Bridge Replacement Project, Perth Amboy/Sayerville, NJ - New Jersey DOT
- Four Bears Bridge, Fort Berthold Indian Reservation, ND - North Dakota DOT
- Richmond-San Rafael Seismic Retrofit - Ben C. Gerwick Inc.
- Sweden Parliament House, Stockholm - Trevi SpA
- Lee Roy Selmon Crosstown Expressway, Tampa, FL, Limited Access Drilled Shaft Remediation Project - A.H. Beck Foundation Co. Inc.

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