American Geotechnical, Inc.
GEOTECHNICAL ENGINEERING / MATERIALS TESTING & INSPECTION

RESUME OF

ARUMUGAM ALVAPPILLAI, Ph.D.

PRINCIPAL ENGINEER/PARTNER

EMPLOYMENT HISTORY

2008 - Present	Principal Engineer/Partner **AMERICAN GEOTECHNICAL, INC.** Yorba Linda, California
1999 - 2008	Chief Engineer **AMERICAN GEOTECHNICAL, INC.** Yorba Linda, California
1995 - 1999	Project Engineer **AMERICAN GEOTECHNICAL, INC.** Yorba Linda, California
1992 - 1995	Staff Engineer **AMERICAN GEOTECHNICAL, INC.** Anaheim, California
1990 - 1992	Graduate Research Assistant UNIVERSITY OF OKLAHOMA Norman, Oklahoma
1988 - 1990	Graduate Teaching Assistant UNIVERSITY OF OKLAHOMA Norman, Oklahoma
1985 - 1986	Assistant Lecturer UNIVERSITY OF PERADENIYA Sri Lanka

EDUCATION

UNIVERSITY OF OKLAHOMA
Norman, Oklahoma
Ph.D. Geotechnical Engineering, 1992

ASIAN INSTITUTE OF TECHNOLOGY
Bangkok, Thailand
M. Eng. Structural Engineering, 1988

UNIVERSITY OF PERADENIYA
Sri Lanka
B.S. Civil Engineering, 1984

PROFESSIONAL REGISTRATIONS
State of California, Registered Civil Engineer, No. C053887
State of California, Registered Geotechnical Engineer, No. G.E. 2504

PROFESSIONAL AFFILIATIONS
Associate Member, American Society of Civil Engineers
Member, Chi Epsilon, National Honor Society for Civil Engineers

PUBLICATIONS

Zaman, M. and Alvappillai, A.," Soil-Structure Interfaces: Experimental Aspects," Mechanics of Geomaterial Interfaces, Edited by A.P.S. Selvadurai and J. M. Boulon Elsevier, 1995.

Alvappillai, A., Zaman, M. and Taheri, "Dynamic Response of Concrete Pavements Resting On Viscoelastic Foundation to Moving Loads," Eur. J. Mech., A/Solids, 12, No. 1, 1993, p. 73-93.

Alvappillai, A. and Zaman, M., "Analysis of Jointed Concrete Pavements to Moving Aircraft Loads," Proceedings of the SECTAM XVI Conference, April 1992, Nashville, Tennessee.

Alvappillai, A., Zaman, M. and Laguros, J.G., "Finite Element Algorithm for Jointed Concrete Pavements Subjected to Moving Aircraft," Computers and Geotechnics, Vol. 14, 1992, p. 121-147.

Laguros, J.G., Zaman, M., Alvappillai, A. and Vavarapis, K.E., "Evaluation of Causes of Excessive Settlements of Pavements Behind Bridge Abutments and their Remedies - Phase III,' Report, Submitted to the Oklahoma Department of Transportation, June, 1991, p. 216.

Alvappillai, A., Zaman, M. and Faruque, M.O., "Dynamic Response of Foundations on Two-Parameter Media," Second International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics, St. Louis, Missouri, Vol. I, March 1991, pp. 679-684.

Zaman, M., Taheri, M.R. and Alvappillai, A., "Dynamic Analysis of a Thick Plate on Viscoelastic Foundation to Moving Loads," International Journal for Numerical and Analytical Methods in Geomechanics, Vol. 15,1991, pp. 627-647.

Taheri, M.R., Zaman, M. and Alvappillai, A., "Dynamic Response of Concrete Pavements to Moving Aircraft," Mathematical Modeling, Vol, 14, November 1990, pp. 562-575.

Alvappillai, A., Zaman, M. and Laguros, J.G., "Evaluation of Profilograph Test Results," Report, Submitted to the Oklahoma Department of Transportation, October, 1990.

Taheri, M.R., Zaman M. and Alvappillai, A., "An Improved Numerical Approach for Dynamic Analysis of Bridges to Moving Vehicles," Proceedings of the Fourth Railroad Bridge Centenary Conference, UK, 1990.

Karasudhi, P. and Alvappillai, A., "An Infinite Element Algorithm for Predicting Land. Subsidence," Proceedings of the International Conference on Computational Eng. Sci., Atlanta, Georgia, April 1988.

PROFESSIONAL EXPERIENCE SUMMARY

Mr. Alvappillai manages and works on various geotechnical engineering projects in Southern California. He also has experience in structural analysis and design, particularly in the area of foundation engineering. His primary responsibilities include project management, planning of field investigations, analytical and computer analysis of a wide range of projects, and report writing. Geotechnical experience includes projects related to settlement and expansive soils, foundation engineering, slope stability, landslide and earthquake engineering. He has experience and knowledge of the latest computer methods of analyzing complex problems using numerical methods. He also designed various structural systems such as mat slab and pile foundations and tieback systems for slope stability.