



GEOTECHNICAL ENGINEERING ▪ ENVIRONMENTAL CONSULTING ▪ CONSTRUCTION TESTING & OBSERVATION

Jeffry D. Vann, PhD, PE, D.GE, F.ASCE

Experience

Vann Engineering, Inc.
Principal

1980 - Present

Education

Arizona State University, Ph.D., 2019, Civil, Environmental and Sustainable Engineering
Arizona State University, M.S., 1984, Civil Engineering
Arizona State University, B.S., 1978, Geology

Professional Licensure

Arizona Geological Engineer - PE #15206
Arizona Civil Engineer - PE #81143
Colorado Engineer - PE #31142
Nevada Civil Engineer - PE #9741
Nevada Geologic Engineer - PE #9741
Utah Engineer - PE #4788456-2202
Texas Engineer - PE #82197
New Mexico Engineer - PE #12992

Selected Honors and Awards

Fellow of the American Society of Civil Engineers, 2016, ASCE
Diplomate, Geotechnical Engineering, 2017, The Academy of Geo-Professionals

Selected Publications

Houston, S.L., and Vann, J.D. (1987). "Methods of evaluating the expansion potential of compacted soils with significant fractions of large aggregate," Geotechnical Testing Journal, GTJODJ, Vol. 10, No.2, 59-70.

Olaiz, A.H., Singhar, S.H., Vann, J.D., and Houston, S.L. (2017). "Comparison and applications of the Thornthwaite moisture index using GIS," PanAm Unsat, Second Pan-American Conference on Unsaturated Soils, Dallas, Texas, 280-289.

Vann, J.D., Houston, S., Houston, W., Singhar, S., Cuzme, A., and Olaiz, A. (2018). "A soil suction surrogate and its use in the suction-oedometer method for computation of volume change of expansive soil," The 7th International Conference on Unsaturated Soils, Hong Kong, 1205-1210.

Vann, J.D. (2019). "A soil suction-oedometer method and design soil suction recommendations for estimation of volume change of expansive soils," PhD Dissertation, Arizona State University, Tempe, AZ.

Vann, J.D., Olaiz, A.H., Morgan, S. and Zapata, C. (2019). "A practical approach to a reliability -based stability evaluation of precariously balanced granite boulders," 53rd US Rock Mechanics Geomechanics Symposium, 2019 Symposium, ARMA.

Vann, J.D., Houston, S.L. (2021). "Field soil suction profiles for expansive soil," Journal of Geotechnical and Geoenvironmental Engineering, ACSE, Volume 147, Issue 9, September 2021, [https://doi.org/10.1061/\(ASCE\)GT.1943-5606.0002570](https://doi.org/10.1061/(ASCE)GT.1943-5606.0002570).