

CURRICULUM VITAE - QUINN TODZO E.I.T. 165728

Staff Engineer

Current Address

COTTON, SHIRES AND ASSOCIATES, INC.
330 Village Lane
Los Gatos, California 95030
Phone: (408) 455-6241
Email: qtodzo@cottonshires.com

Registration

E.I.T 165728. Issued 10/5/2018

Education

M.S., Geosystems Engineering, UC Berkeley, California, 2020
B.S., Civil Engineer, University of Illinois Urbana-Champaign, Illinois, 2018

Representative Experience

Mr. Todzo has experience in the field of geotechnical engineering as an engineer in the field, office, and laboratory working on a variety of new construction and peer review projects in the San Francisco Bay Area.

In the field Mr. Todzo has experience with a variety of soil and rock exploratory borings and in-situ tests including the Standard Penetration Test (SPT), Cone Penetration Test (CPT), and Dynamic Cone Penetration Test (DPT). He also assists with construction monitoring including: nuclear gauge density testing, inclinometer reading and installation, and piezometer reading and installation. He has experience overseeing and monitoring the construction of the following foundation, shoring, and ground improvement techniques: drilled shafts, auger cast piles, driven piles, micropile installation and testing, cement soil mix (CSM) shoring walls, soldier pile beam and wood lagging, polymer injection ground improvement, tieback installation and testing, and deep soil mixing (DSM) ground improvement.

In addition to the field work, Mr. Todzo also assists CSA with slope stability analysis (SSA), floor level surveys and contour modeling, drone based and total station based topographic surveying and survey processing, and laboratory testing (Atterberg ASTM D4318, Sieve ASTM C136, 200 wash ASTM D1140, Compaction curves ASTM D1557, Hydrometer ASTM D422, Moisture content ASTM D2216, Wet and dry density).

Mr. Todzo is proficient with the following programs to assist with the above-mentioned tasks: AutoCAD, Geo-Slope Software Suite, PLAXIS, DEEPSOIL, various RocScience programs, and Python coding language.

Professional History

Staff Engineer, Cotton, Shires and Associates, Inc. June 2020 to present
Staff Engineer, Langan Engineering and Environmental Services June 2018-August 2019