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Anthony O. Righellis, P.E. – Resume

Mr. Righellis has 30 years of experience as a site, utility, and roadway design civil engineer, flood plain specialist, and expert witness. Efforts have included studies, designs, land-use processing, and the administration of public and private projects.

Development and Public Works Experience

Mr. Righellis has been the lead engineer for over one hundred land developments and public improvement projects. The projects have included large residential developments, industrial parks, arterial road expansions, retaining walls, small structures, water lines, trunk sewers, and storm drainage.

Flood Experience

Mr. Righellis has analyzed over 600 miles of rivers, creeks, and lakes in Nevada, California, Oregon, Washington, and Idaho and performs this work on a regional basis. Two letters of commendation have been received from the Corps of Engineers for his Mt. St. Helens post-eruption hydraulic modeling of the Cowlitz and Toutle Rivers and one from the Federal Emergency Management Agency for several studies in Oregon. Mr. Righellis has performed numerous post-flood damage analyses to determine causes and remedies. Mr. Righellis determined damage causes of Hurricane Katrina in Mississippi.

Software Development Experience

Mr. Righellis is the co-author of CIVIL TOOLS. With thousands of copies sold since 1986, it is one of the more popular civil engineering computer software packages on the market. Civil Tools PRO achieved National Finalist status by ACEC in their 2006 Engineering Excellence Awards competition. Mr. Righellis was part of the software team that developed the stress analysis programs for the first flights of the B-1 bomber.

Expert Witness Services

Mr. Righellis has provided expert witness services since 1983. Most cases have involved flood and drainage damage, engineering plans and land use permit processing, streets and utilities design and construction, construction defect, contractor claim, personal injury, traffic control, and property condemnation.

Education

M.S.C.E., Utah State University

(specialty in hydraulics)

B.S.C.E., University of the Pacific, Cum Laude

Mr. Righellis' graduate-level education focused on advanced hydraulics in the areas of river flow analysis, channel design, and lake pollutant transport. These specialties required the use and creation of advanced mathematical computer applications.

Professional Registrations

Professional Engineer in California, Illinois, Mississippi, Nevada, Oregon, and Washington

University Instruction

Mr. Righellis was a lecturer of water resources and hydraulics engineering courses at Portland State University, teaching more than 80 university quarter-system credits.

Professional Development Training and Seminars

Mr. Righellis provides professional development training and seminars to engineering firms, public agencies, and professional associations regarding construction defect, flood plain, and drainage issues.

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