

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Roger A. Failmezger, P.E., F ASCE, D GE	13. ROLE IN THIS CONTRACT Senior Subsurface Testing Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 39	b. WITH CURRENT FIRM 26
15. FIRM NAME AND LOCATION <i>(City and State)</i> In-Situ Soil Testing, L.C. , 2762 White Chapel Road, Lancaster, Virginia 22503			
16. EDUCATION <i>(Degree AND Specialization)</i> B.S.C.E., 1981, Lehigh University M.S.C.E., 1982, University of Florida		17. CURRENT PROFESSIONAL REGISTRATION <i>(State AND Discipline)</i> Professional Engineer in Virginia, Maryland, and Pennsylvania ASCE Fellow (2006) D GE ASCE GeoInstitute (2012)	

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
 Engineers consider him as one of the world's experts in in-situ testing. He owns and performs every test using the most accurate equipment available and developed new test equipment. He has published more than 30 technical papers and made numerous presentations at national and international conferences. He shares his knowledge mentoring engineers and geologists.

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION <i>(City and State)</i> Harry Nice Bridge Dahlgren, Virginia	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2016	CONSTRUCTION <i>(If applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Performed seismic cone penetrometer tests with dissipation tests, seismic dilatometer tests, pressuremeter tests and vane shear tests. Developed and used Potomac River. Made measurements of very soft clay from mudline and eliminated depth measurement errors from tide and waves		
b.	(1) TITLE AND LOCATION <i>(City and State)</i> Plant Gaston--Birmingham, Alabama	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2021	CONSTRUCTION <i>(If applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Performed dilatometer, cone penetration tests and vane shear tests for stability of flyash ponds		
c.	(1) TITLE AND LOCATION <i>(City and State)</i> Calvert Cliffs Nuclear Power Plant	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2009	CONSTRUCTION <i>(If applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Performed dilatometer test soundings with pore pressure dissipation tests and seismic tests including the deepest test ever performed in the world at 399 feet deep		
d.	(1) TITLE AND LOCATION <i>(City and State)</i> Woodrow Wilson Bridge Alexandria, Virginia	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2006	CONSTRUCTION <i>(If applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Performed dilatometer, cone penetrometer, pressuremeter, and borehole shear tests		
e.	(1) TITLE AND LOCATION <i>(City and State)</i> Barren and James Island Reclamation, Cambridge, Maryland	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2020	CONSTRUCTION <i>(If applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Performed cone penetrometer, dilatometer from seafloor 15-ton direct push system at 124 locations from a barge and vane shear tests in upper softer clays for design of recreating islands from dredge spoils.		