

**E. Ray Biggs, P.E.**  
**Senior Manager**

**Professional Profile**

Mr. E. Ray Biggs is a Senior Manager in Exponent's Construction Consulting practice. Mr. Biggs is experienced in consulting to the construction industry in the areas of construction management, project scheduling, contract claims, estimating, analysis of design problems and disputes resolution, and provides analysis and trial testimony on safety issues involved with construction accidents.

Prior to joining Exponent, Mr. Biggs was Vice President and co-founder of Associated Construction Consultants, Inc., with more than 18 years of experience in construction engineering and management and 24 years of experience in claims consulting. He has administered the analysis, preparation, presentation, and negotiation of numerous construction claims on behalf of both contractors and owners, and has testified as an expert witness in state and federal courts.

Mr. Biggs frequently consults to surety companies regarding potential and actual contractor defaults on major construction projects throughout the United States. He has prepared cost-to-complete estimates, contractor cost studies, project evaluations, negotiations of takeover completion contracts, and general construction management for the surety industry.

Mr. Biggs has an extensive background in the management of major heavy construction projects. Prior to becoming a consultant, he held responsible engineering and management positions with two major construction companies in California and Oregon, and was project manager on the Kingdome in Seattle. He has worked as an estimator on nuclear power plants, buildings, highways, bridges, flood control projects, and water waste treatment plants. He has considerable experience in cost accounting, project planning, CPM scheduling, subcontract administration, change orders, construction management, and claims analysis.

**Academic Credentials and Professional Honors**

B.S., Civil Engineering, Oregon State University, 1965

**Licenses and Registrations**

Registered Professional Engineer, Oregon, # 07350

**Professional Affiliations**

- American Society of Civil Engineers
- Northwest Construction Council