

Roberts Engineering PLLC

Specialized Experience and Technical Competence

- Firm Profile
- Resume
- Relevant Experience

Roberts Engineering PLLC

Roberts Engineering PLLC is a Small Business Enterprise, offering structural engineering design and consulting services.

Since 1991, Roberts Engineering has completed approximately 600 structural engineering projects in Washington, Oregon, Idaho, Montana, Alaska, and Ohio.

Roberts Engineering design solutions have been recognized as:

“an innovative method ... This cut installation time to two days per digester. It also provided a safer work environment

“a workable alternative that would simplify construction, shorten the construction schedule substantially and result in cost savings.”

Responsiveness and the ability to provide cost effective solutions resulted in being retained to provide Structural Engineering consultation on several challenging emergency contracts including serving as a member of the Kingdome Blue Ribbon Panel for which Ronald Roberts service was recognized by the Blue Ribbon Panel Chair Robert Mast:

“First, I want to say that all of us that participated on the Blue Ribbon Panel and in the repair work appreciated Ron’s involvement and his practical approach to getting the job done in the difficult circumstances that existed at the time...”

Roberts Engineering developed the emergency removal plan for the Norman Bridge for King County’s Department of Transportation for which our team received a written commendation from King County’s Bridges and Structures Unit, King County’s Environmental Services Unit, and King County’s Construction Management Unit.

“During the course of the project, we observed your team’s dedication to getting the job done. By taking the innovative engineering approach in response to the emergency described in the County’s Request for Proposal, your team’s tireless dedication and commitment to overcoming obstacles along the way ensured the safe and successful removal of the bridge.

Furthermore, the unique removal strategy....delivered the project on time and under budget and saved King County’s citizens over \$300,000 --- 40 percent --- over other proposals....On behalf of its citizens, King County and its employees



gratefully acknowledge your service.”

Having earned “Outstanding” ratings on several earlier Seattle Public Utilities Contracts, Roberts Engineering was called on to provide services for the *Emergency Evaluation of Mercer Island Supply Pipeline* project (SPU C00-031) and the *Tolt 2 Phase 6A Road Repair* (SPU C02-023) to arrest movement in a failing slope that threatened the Tolt Reservoir access road. Subsequently, Seattle’s Fleets and Facilities Department retained Roberts Engineering to perform on call Structural Services at Fire and Police Stations and roof repairs at the “Sunny Jim” warehouse facility.

Roberts Engineering recently participated in structural assessments of Wastewater Treatment Facilities in Everett and Bellingham (as a subconsultant to Carollo Engineers) and has completed the structural design of new water and wastewater related facilities including:

- Carnation Wastewater Treatment Plant Aeration Basins, Headworks Building, Chemical Storage Facilities and Standpipe Foundation
- Bend, OR, Wastewater Treatment Plant Headworks Building
- Medford, OR Settlement Basins
- King County, Densmore Air Vent Structure
- King County 53rd Avenue Pump Station Expansion
- King County South Plant Sodium Hypochlorite Containment and Pump Buildings
- King County West Point Sodium Hypochlorite Containment and Delivery Systems
- City of Lacey, Well Station No. 4 Pump Station
- City of Ellensburg Wastewater Treatment Plant Boil Building.

Recent work for general and specialty contractors include steel and precast erection planning for the Seattle Flight Museum’s Space Shuttle Gallery and the Federal Court House in Billings, MT. Time critical engineering to M. A. Mortenson Company’s Cheney Stadium remodel project included developing the means of supporting the existing grandstand structures during partial demolition and reconstruction of much of the existing stadium structure and foundations.

A long history and repeat projects with many clients (over 89% of revenue resulted from repeat clients) provides further evidence of Roberts Engineering’s ability to meet their schedule and budget with creative yet practical engineering solutions.

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Ronald M. Roberts, P.E., S.E.

Project Role: Structural Engineer

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Education

BS Civil Engineering / Michigan State University
1977

Professional Experience

Roberts Engineering: 21 years
Metro: 4 Years
Kramer Chin and Mayo: 8 years
Boeing: 2 years
Total: 35 years

Registration

Civil Engineer: WA 1982
Structural Engineer: WA 1984
Civil and Structural Engineer : OR 1992
Civil Engineer: Alaska 1992
Civil Engineer: Ohio 1987
Civil Engineer: Michigan 1993
Civil and Structural: Idaho 2010
Professional Engineer, Montana 2011

Professional Affiliations

Structural Engineers Association of Washington
International Code Council
American Society of Civil Engineers
American Concrete Institute
American Institute of Steel Construction

Ronald Roberts received a Bachelor of Science degree, with honor, in Civil Engineering from Michigan State University in 1977. Mr. Roberts has continued his education through continuing education classes offered by the University of Washington, the University of Alaska and a variety of professional and industry programs.

Following two years of employment with the Boeing Company as a Civil/Structural Engineer in Facilities Engineering, Mr. Roberts entered the consulting engineering profession in 1979, accumulating an additional eight years of engineering design experience at the firm of Kramer, Chin and Mayo, Inc., Seattle, WA. These first ten years spent in design, provided a solid foundation of responsibility and experience in a wide variety of project types and construction materials and methods.

Mr. Roberts subsequently acquired four years of construction management experience as a Resident Engineer for the Municipality of Metropolitan Seattle (Metro) on the highly acclaimed, award winning, Downtown Seattle Transit Project (DSTP) where he was Resident Engineer for two of the three underground stations

In 1991, Mr. Roberts formed Ronald M. Roberts, P.E., a structural engineering consulting firm.

Since 1991, Ronald Roberts has completed approximately 600 structural engineering projects in Washington, Oregon, Alaska, Idaho, Montana and Ohio. These projects ranged in complexity from simple residential remodels through complicated engineering projects such as the phased demolition of the SR90 entrance ramp (adjacent to Qwest and SAFECO Fields), temporary support of the SR5 Ship Canal Bridge by means of 750 Ton capacity “*friction brackets*” and the demolition of the University of Washington Husky Stadium Roof.

Under Mr. Roberts direction, Roberts Engineering PLLC provided two years of Resident Engineering, Construction Inspection, Program Management and Utility Engineering Support for Sound Transit Project C510, Downtown Seattle Transit Tunnel Retrofit and Expansion.

Mr. Roberts’ long term relationships with our clients provides abundant evidence of our success at being responsive to our clients needs.