

Farshad Sohi

2 Siros, Laguna Niguel, CA 92677

Cell: (310) 430-2820

Email: farshad.a.sohi@gmail.com

LinkedIn: <https://www.linkedin.com/in/farshad-sohi>

Summary

Highly analytical and results-oriented Risk Management professional with 25 years of experience in risk management and value engineering, and strategic decision-making across diverse industries and agencies including construction, transportation, oil & gas, utilities and infrastructure. Proven expertise in developing and implementing comprehensive risk management frameworks, conducting quantitative risk analysis, and facilitating risk and value engineering workshops.

Skills Summary

- **Risk Assessment & Analysis:** Expertise in quantitative and qualitative risk assessment methodologies, including cost and schedule risk analysis (CSRA), Monte Carlo simulation, and sensitivity analysis. Proficient in using risk modeling software such as Primavera Risk Analysis, @Risk, Crystal Ball, Safran, and Deltek Acumen Risk.
- **Strategic Planning:** Experienced in developing and implementing enterprise-level risk management plans, establishing risk methodologies, and integrating risk management into project lifecycles. Adept at identifying, evaluating, and prioritizing risks to align with organizational objectives. Experience in applying Value Engineering principles to optimize project costs and enhance project value while maintaining essential functions.
- **Policy & Procedure Development:** Proven ability to develop and implement policies, procedures, and training programs. Experience in ensuring compliance with industry best practices and regulatory requirements.
- **Value Engineering and Risk Workshops:** Skilled facilitator of risk and value engineering workshops and expert opinion elicitation sessions. Adept at identifying and mitigating cognitive biases in risk assessments. Experience in communicating complex information to diverse stakeholders, including executive leadership, project teams, and external partners.
- **Project & Program Management:** Hands-on experience in managing and coordinating risk management activities for mega-projects and capital programs. Proven ability to manage consultant contracts and coach staff on risk management principles and practices.
- **Data Analysis & Modeling:** Strong analytical skills with expertise in statistical inference, mathematical modeling, and data science applications in risk assessment. Experience in developing fragility curves and loss of life estimations for risk quantification.
- **Infrastructure & Transportation Domain Knowledge:** Direct experience in risk management within the transportation sector (Sound Transit) and civil engineering projects. Familiarity with infrastructure risk considerations, including cost, schedule, safety, and operational risks.

Professional Experience

Risk Management Principal | EnRisk, Irvine, CA | Jun. 2020 – Present

- Directed and managed comprehensive risk management plans for Transportation, Oil & Gas, Utility, and Infrastructure projects.
- Conducted cost and scheduled risk analyses (CSRA) for LA Metro Regional Rail Program, utilizing advanced risk simulation tools.
- Facilitated risk and value engineering workshops and expert judgment elicitation, ensuring robust and unbiased risk assessments.
- Provided risk management training and technical expertise to clients across various industries.

Adjunct Professor | CalPoly Pomona, Pomona, CA | July 2022 – May 2024

- Developed and taught graduate-level courses in Project Risk Analysis, Engineering Probability and Statistics, and Reliability Engineering.
- Provided practical, industry-relevant risk management education to engineering students.

Risk Program Manager | Sound Transit, Seattle, WA | Feb. 2019 – Apr. 2020

- Established agency-wide methodology for transportation projects risk identification and quantification.
- Implemented and tracked risk response activities across the program lifecycle for transportation projects.
- Managed risk analysis and mitigation for multiple large-scale transit expansion projects (East Link, Lynnwood Link, Hilltop Tacoma, Sumner, Northgate, Tacoma Dome, etc.).
- Coordinated and coached agency staff and consultants on risk management best practices.

Sr. Analyst & Negotiation Team Member | NIOC | Jul. 2017 – Feb. 2019

- Advised the leadership on risk assessment and participated in contract negotiations.
- Modeled project cost, schedule, and financial forecasts for major oil & gas contracts.
- Conducted integrated risk analysis for oil and gas mega-projects.

Senior Risk Analyst | Enbridge, Houston, TX | Dec. 2014 – Jun. 2017

- Performed cost and schedule risk analysis for multi-billion-dollar energy infrastructure projects.
- Facilitated expert opinion elicitation workshops to identify and assess project risks.
- Developed preventative and mitigative measures for project portfolio risks.

Risk Based Decision Analyst | Saffron Systems Consulting, Washington DC | Sep. 2009 – Nov. 2014

- Applied advanced risk assessment and data science methodologies for US federal agencies and private sector clients.
- Worked on projects including risk analysis for nuclear power plants, dams, and levees, and rare event simulation in civil engineering.
- Conducted qualitative & quantitative risk assessments, including Monte Carlo simulation, to analyze project impacts. Facilitated risk identification and analysis workshops

Engineer | FBA Structural Engineers, Hayward, CA | Jan. 2001 – Aug. 2009

- Performed engineering design of structural elements and structural damage assessments.

Education

Doctor of Philosophy (Ph.D.) - Risk Based Decision Analysis

University of Maryland, College Park, MD

2007 – 2014

Master of Science (M.S.) - Construction Engineering and Management

Stanford University, CA

2001 – 2002

Master of Science (M.S.) - Geotechnical Engineering

Sharif University of Technology

1999 – 2001

Bachelor of Science (B.S.) - Civil & Environmental Engineering

Sharif University of Technology

1994 – 1999