



Exponent[®]
Engineering & Scientific Consulting

Khorshid Azarnoush

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Professional Profile

Ms. Khorshid Azarnoush is a Manager at Exponent's Construction Consulting Practice, based in the Oakland office. With over six years of experience, she excels in project controls and management. Her expertise spans a broad spectrum of construction-related areas, including implementing project controls, mitigating risks, managing costs, analyzing change orders, and resolving construction disputes. Ms. Azarnoush has led multi-year, multi-million-dollar projects, ensuring alignment with project objectives from initial stages to completion. She has provided both dispute and advisory services and consulting to both public and private sector clients on construction cost reviews, audits, change orders, claims analysis, and damages analysis. She specializes in project management and controls, project risk mitigation, project cost management, and construction litigation support on projects worldwide.

Beginning her engineering career in various on-site roles, Ms. Azarnoush transitioned to consultancy work in 2020, working extensively on large-scale construction and engineering projects internationally. Her notable projects include managing change orders and resolving claims at Transbay Transit Center in San Francisco, conducting earned value and technical analyses for a 2,200 MW power plant in Saudi Arabia, and cost management for a major federal bridge renovation in Northern California.

Ms. Azarnoush's Data Science for Business certificate from Harvard Business School has equipped her with the necessary skills to effectively leverage data from project contracts, bid and IFC estimates, pay applications, job cost reports, and logs for cost analysis to ensure project success. This has helped Ms. Azarnoush assist clients in establishing new cost management and tracking tools for effective project cost tracking.

Academic Credentials & Professional Honors

M.C.M., Construction Management, University of Southern California, 2018

B.Sc., Architectural Engineering, National University of Iran, 2015

Licenses and Certifications

Data Science for Business Certificate from Harvard Online

Project Management Professional (PMP)

Academic Appointments

Commencement Speaker for Viterbi School of Engineering Graduate Students, May 2018

Scholastic Achievement and Service Award Winner, Oct 2017

Prior Experience

Manager, Secretariat International, California

Project Engineer, Turner Construction, California

Project Estimator Intern, Swinerton Builders, California

Professional Affiliations

American Society of Civil Engineers (Committee Member, Region 9 Transportation and Development)

Project Experience

The overview below details Ms. Azarnoush's responsibilities and skills across various sectors:

Bridges:

Ms. Azarnoush contributed to the change order and claims analysis for a major federal bridge renovation in Northern California. Ms. Azarnoush studied contractor's payment requests for contract changes and project claims. This task included providing independent take-offs using traditional 2D drawings, documenting the changes and their associated costs, and presenting the information to the owner in simplified presentations.

Transportation:

Ms. Azarnoush worked on the \$2.2 Billion Transbay Transit Center Project in Downtown San Francisco. She was a key contributor to the team's success by; 1. developing quantitative analysis for a total of \$3M in change orders, 2. providing litigation support for counsel during the claims process, and 3. preparing position papers for Dispute Resolution Alternatives. During her time, she was responsible for presenting project progress at weekly Owner/Architect/Contractor meetings.

Education:

Ms. Azarnoush was responsible for developing the scopes of work for subcontractors on the Avenues World School Project in Silicon Valley, a \$110 million project. She managed and documented all contract preparations, ensuring clarity and precision in the scopes of work and cost for each subcontractor involved.

Airports:

Ms. Azarnoush collaborated closely with Los Angeles World Airports (LAWA) to execute concurrent renovations across multiple areas at the Los Angeles International Airport (LAX). Throughout her tenure at LAX, she assured the project owner of timely and budgetary adherence through: Delivering comprehensive logs and project progress updates during weekly meetings, facilitating project inspections to ensure rigorous quality control, and thoroughly documenting contract changes with detailed reports.

Power Plant:

Ms. Azarnoush conducted thorough earned value and technical analyses for the 2,200 MW Power Plant in Saudi Arabia. Through meticulous data collection, comparison with contractual benchmarks, and a detailed examination of its year-on-year performance, she offered valuable insights into the plant's operational efficiency and compliance with contract terms.

Sustainability:

Ms. Azarnoush also has experience with sustainable construction. Upon receiving her LEED AP BD+C certificate, she contributed as the San Francisco sustainability manager for a leading green builder in the US. Her responsibilities included managing national green programs, such as cutting on-site emissions by 50% and sharing company progress with senior management.

Community Center:

Ms. Azarnoush developed detailed quantitative analysis for 185,560 s.f. Anita May Rosenstein Campus located in Santa Monica. Ms. Azarnoush contributed to the estimating reports for this urban Campus' public plaza and a series of courtyards. Upon completing the reports, Ms. Azarnoush worked with senior estimators to bid the project.