

Exponent®
Engineering & Scientific Consulting

Brooke Lenes

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Professional Profile

Brooke Lenes is a senior associate in Exponent's Construction Consulting practice with experience in luxury residential and utility infrastructure projects. She specializes in project planning, project controls, and risk identification efforts that support effective project delivery.

Drawing on this experience, Ms. Lenes delivers integrated project management solutions across the full project lifecycle. Her core competencies include:

- **Project Scheduling**: Development and management of integrated master schedules for complex capital programs and multi-project portfolios.
- **Project Controls & Cashflow Management**: Forecasting, cost tracking, accrual management, and financial reporting across large project portfolios.
- **Contract Administration:** Invoice review, budget management, and strategic allocation of funds based on project scope, progress, and performance.
- **Stakeholder Management:** Coordination of owner-architect-contractor (OAC) meetings and collaboration with clients, designers, subcontractors, utility representatives, and municipal stakeholders to support project execution and regulatory compliance.

Ms. Lenes earned a B.S. in civil engineering from Northeastern University with a concentration in structural engineering. As a member of a research team, she contributed to studies examining building energy consumption and methods for tracking residential energy use during extreme weather conditions.

Academic Credentials & Professional Honors

B.S., Civil Engineering, Northeastern University, 2023

Prior Experience

Assistant Project Manager, Sea-Dar Construction, 2023-2024

Project Operations Co-op, Sea-Dar Construction, 2022-2023

Engineering Assistant, RDH Building Science, 2021

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Engineering Co-op, Turner Construction, 2020-2021

Professional Affiliations

California Building Industry Association (CBIA), Member

National Association of Home Builders (NAHB), Member

Association for the Advancement of Cost Engineering (AACE), Member

Project Experience

Luxury Residential

Ms. Lenes supported the management of complex single-family and multifamily residential developments, including projects located in Boston's historic architectural districts. Through her experience in both the field and the office, she developed a strong foundation in stakeholder coordination and facilitating communication across project teams. Her responsibilities included:

- Schedule maintenance and development of weekly look-ahead schedules for field teams.
- Project team oversight and collaboration with architects, engineers, and contractors throughout project planning and execution.
- Budget tracking and management, procurement of long lead items, and monitoring project expenses.

Utility Infrastructure

Ms. Lenes supports utility clients in managing the complexity of large-scale infrastructure programs in the following ways:

Environmental Remediation Program and Project Support:

- Cash flow management, risk identification and mitigation, and schedule development support to drive predictable project delivery.
- Contract and financial management support, including review of invoices and strategic reallocation of funds across the program and individual projects based on scope, progress, and work performed.
- Financial reporting and executive-level presentation development to support senior leadership decision-making.
- Maintenance of historical project data, development of custom reports, and data-driven insights to improve program transparency and performance tracking.

Data Center Interconnection Projects:

- Development and management of integrated master schedules across multi-project portfolios.
- Coordination with the City of San José to support compliance with and enforcement of implementation agreements between the municipality and the utility client.

Grid Reliability and Wildfire Risk Mitigation:

- Support for grid reliability enhancements through workflow optimization of SCADA-enabled distribution devices.
- Enable faster, more proactive power shutoff capabilities to reduce wildfire risk and improve system response during high-threat events.