

Denise Martini, P.E.
Senior Managing Engineer

Professional Profile

Ms. Denise Martini is a Senior Managing Engineer in Exponent's Construction Consulting practice. Ms. Martini has more than 30 years of experience in the management of projects throughout their lifecycle, advising clients on risk management, project controls and dispute avoidance, and assisting with construction claim development, analysis, defense and resolution. She has scheduled and managed a variety of construction projects, from high rise and hospital construction to the reconstruction of the world's largest wind tunnel for NASA at Ames Research Center in California to the Cable Car Rehabilitation Project in San Francisco. Her project advisory and dispute resolution experience is similarly broad, ranging from airports, highway interchanges, mass transit and sports venues to solar plants, detention facilities, and housing projects. Ms. Martini has testified as an expert at arbitration and trial and assisted in numerous successful settlement negotiations and mediations.

Academic Credentials

S.B., Civil Engineering, Massachusetts Institute of Technology

Licenses and Certifications

Registered Civil Engineer, California, #C53661
LEED AP – U.S. Green Building Council

Professional Affiliations

American Society of Civil Engineers
American Bar Association – Forum on Construction Law

Selected Relevant Projects

Transportation

Analyzed delays and resultant damages on the construction of a major interstate highway interchange, assisting a state government in refuting claims by a joint venture contractor and achieving an outstanding settlement for the state.

On behalf of a state department of transportation, analyzed a contractor's claim for delay and added cost, and evaluated the state's cost of completion of a highway drainage, erosion control and roadway improvement project where the contractor had refused to complete the work.

Assisted a state attorney general in analyzing two years of delay and resultant damages on an international airport terminal replacement project, finding that delays and tens of millions in damages were largely the result of errors and omissions in the structural engineering design.

On a bridge replacement project, evaluated the designer's construction management performance, the Contractor's performance of its management duties, and the clarity of the contract documents regarding scope.

Managed an on-call claims and scheduling contract for a state department of transportation, managing staff assigned to projects and the department's district claims office.

Assisted a design-build subcontractor with preparation and presentation of a claim for increased design requirements and resultant added costs on a people mover project for a regional transit agency.

Assisted a regional transportation authority with program evaluations of the processes and organization related to the cost, schedule, procurement, risk management, and financial management of major construction projects valued at several billion dollars.

Assessed and recommended mitigation of risks related to project controls, soft cost expenditures, third party coordination, planning, funding, and budgeting for future phases, operations, and maintenance costs for a major rail transit project expansion program.

On a rapid transit expansion project, assisted a government agency in evaluating claims put forth by a design-build contractor that suffered delays due to right-of-way and environmental issues.

Provided expert testimony regarding a contractor's productivity and damages calculations on a light rail expansion project.

Analyzed contractor's claim for delay, extended overhead, inefficiency and increased hauling costs due to contaminated soil on a road construction project.

Infrastructure

Performed schedule, entitlement and cost analysis of contractor's claim for delay, extended jobsite and home office overhead, increased scope, and idle equipment costs on a sewer and street reconstruction project.

Analyzed delay to a major water pipeline project in the wake of a gasline explosion on the project and assisted the utility in settling claims.

Evaluated a claim for alleged delay and disputed change orders by the general contractor for the reconstruction of two clearwells at a water purification plant.

Assisted a utility district in evaluating claims for delay and disruption on a major water tunnel construction project.

Healthcare/Institutional/Housing

Provided schedule and cost control, change order negotiation and assessment of delays and impact to the completion of a major hospital expansion.

Provided claims management assistance to the public owner during the construction of a new county hospital on an existing campus.

Assisted a state department of education by assessing its practices related to planning, design, and construction of major capital projects and maintenance and repair for school facilities statewide.

Evaluated a large private school's practices related to planning, design, and construction on its various campuses and for its extensive real estate investments.

Assisted a public agency in negotiating change order requests with design/build contractor after completion of a project to add seating, luxury boxes, clubs and other amenities to a stadium.

Evaluated a contractor's cost proposal to accelerate reconstruction of an indoor arena, which was gutted and rebuilt to allow for luxury boxes and additional seating. After project completion, assisted in negotiating change order requests.

Evaluated a contractor's claim for delay and impact in Phases 1 and 2 of the reconstruction of a public housing project. After successful resolution, assisted authority with resolving disputes on Phase 3 of the same project.

Assisted a housing authority in the analysis and settlement of a delay, inefficiency, and damages claim on a project to construct 134 new and architecturally significant residential units.

Evaluated contractor's claim for delay, project suspension, and loss of efficiency in the renovation of a 156-unit housing project.

Evaluated and assisted in settlement of claim for delay, labor loss of productivity, and costs associated with termination for convenience in a Federal office building renovation project.

Evaluated the causes of delay on a high-security detention facility expansion project where the general contractor had been terminated almost a year after its adjusted contract completion date.

Managed scheduling, cost control, estimating, value engineering, and architect's design effort for a university computer science building.

Managed design phase scheduling, cost control, estimating, value engineering and constructability reviews and assisted a county agency in developing a master budget and cost control system for a new social services building.

Assisted a university student association with architect selection and managed programming, master planning, schematic design and estimating for the renovation and expansion of four buildings.

Assisted a university with the summertime renovation of a student housing facility containing a central plant, kitchen and dining facilities, laundry, music, lounge, and library space.

Managed asbestos and lead abatement, major mechanical system upgrades, and renovation of World War II era warehouse space, which remained operational as a postal service processing facility during construction, into Federal agency offices.

Scheduled the construction of a high-rise office building for a general contractor, including evaluating the impact of change orders.

Technology

Quantified and evaluated causes of delay to the fast-track, multiple-prime contract construction of a Class 1 semiconductor fabrication facility.

Assisted a technology company with assessment and improvement of its construction processes and associated risks for ongoing projects in India.

Quantified and determined the causes for schedule slippage, cost overruns, and revenue shortfalls by a major telecommunications company on a contract to provide broadband network systems to a local service provider, focusing on hardware and software design and production, purchase of components, construction scope, cost/price issues, and profitability goals.

Assisted a technology company with a major multi-phased campus expansion by assessing costs of base building and tenant improvement work, evaluating rent calculations by developer and suggesting process improvements.

Evaluated a technology company's practices for design and construction of new facilities. Made recommendations as to improvements that would result in reduced cost and better accountability.

Managed and scheduled the multiple prime contractors in the reconstruction and upgrading of the world's largest wind tunnel in the wake of a catastrophic failure that occurred during testing of a previous upgrade.

Oil & Gas/Energy

Evaluated and rebutted a pipeline contractor's claim that delays and almost \$20M in added costs on a 133-mile 42" natural gas pipeline resulted from the actions of the archaeological consultant.

Assisted an oil company in analyzing delay, loss of productivity and quantum related to a refinery expansion project in the Middle East.

Publications and Presentations

Lifschitz J, Martini D, Fraher L. Effective presentation of the forensic schedule analysis. *The Construction Lawyer, Journal of the ABA Forum on Construction Law, Volume 36, Number 1, Winter 2016*

Martini D. Bracing for construction claims during a slow economic recovery. San Francisco, Sacramento, 2010.

Martini D. Enhancing your understanding of value in distressed projects. The Construction Superconference, San Francisco, 2010.

Martini D. All the risk but not all the reward: An owner's perspective on multiple prime contracting. Community College Facility Coalition Conference, Sacramento, CA, 2010.

Martini D. Foreign Corrupt Practices Act and international construction. The Construction Superconference, San Francisco, 2008.

Martini D. Controlling project uncertainty and cost through smart contracting practices. Community College Facility Coalition Conference, Sacramento, CA, 2007.

Martini D. Acceleration, delays and loss of efficiency claims. Groundbreaking Women in Construction Conference, San Francisco, 2007.

Martini D. What is the cost of delay? Determining quantum. Pacific Business & Law Institute, Vancouver, BC, 2007.

Martini D. Lessons learned: Project schedules. American Bar Association Forum on the Construction Industry Annual Meeting, San Juan, Puerto Rico, 2007.

Martini D. Evaluation and resolution of delay and extra work claims. Lorman Educational Services, 2006, 2007, 2008.

Martini D. Cost and schedule analysis, claims evaluation and resolution. Construction Management Association of America, 2006, 2007.

Martini D. Construction project management skills. Lorman Educational Services, 2006, 2007.

Martini D. Defensive contracting: Protecting your company against adverse claims and the loss of your claim rights. Groundbreaking Women in Construction Conference, Los Angeles, 2005.

Martini D. Using construction project documents in claims analysis. San Francisco Bar Association, 2005.

Martini D. Planning to succeed. The Construction Superconference, San Francisco, 2003.

Martini D. Comparing schedule analysis techniques. The Construction Superconference, San Francisco, 2002.