

**Daniel E. Feinblum, P.E., PMP, LEED AP
Manager**

Professional Profile

Mr. Dan Feinblum is a Manager in Exponent's Construction Consulting practice. He has experience in all phases of design and construction and has advised clients on a wide variety of construction related issues ranging from project control and oversight to construction dispute evaluation. His project experience includes vertical construction, commercial structures, offshore and onshore oil and gas facilities, pipelines, highways and bridges, rail, courthouses, and specialized labs and research facilities.

Mr. Feinblum's experience with construction disputes includes the preparation of comprehensive reviews of construction claims including issue, delay and costs analysis. He has developed detailed CPM schedule analyses, including analyzing as-planned and as-built schedules to determine entitlement and allocate project delays. He also has experience with the quantification of extended performance costs and calculating loss of labor productivity.

Mr. Feinblum's project control and risk management experience includes developing baseline schedules, advising clients on risk management and project controls, completing probabilistic schedule analysis, maintaining project schedules, identifying cost drivers on over-budget projects prior to contract award, and establishing web based document and project control systems.

Prior to joining Exponent, Mr. Feinblum served as a Senior Analyst at Hill International, providing construction consulting and litigation support services. Mr. Feinblum also served as a transportation design engineer with Rummel, Klepper and Kahl, where he completed roadway and site design for local departments of transportation including new road design, roadway realignment, roadside design, site design, and utility relocation. While attending the University of Maryland, Mr. Feinblum served as a graduate research assistant for the Maryland Transportation Technology Center and as a teaching assistant for a course on project performance measurement. In addition, Mr. Feinblum has experience in geotechnical testing and construction inspection.

Academic Credentials and Professional Honors

M.S., Project Management, University of Maryland, College Park, 2002
B.C.E., Civil Engineering, University of Delaware, Newark, 1999

Licenses and Certifications

Registered Professional Engineer, Maryland, #31175

Certified Project Management Professional, #216378

U.S. Green Building Council, Leadership in Energy and Environmental Design Accredited Professional, LEED AP, 2009

Prior Experience

Senior Analysis, Hill International, Inc., 2002–2005

Faculty Research Assistant, Maryland Transportation Technology Center, 2001–2002

Civil Design Engineer, Rummel, Klepper & Kahl Engineering, 2000–2001

Selected Project Experience

Heavy Industry

LNG Receipt Terminal—Performed schedule and engineering analysis on behalf of a French subcontractor responsible for the civil marine construction of an LNG terminal located in Mexico. The subcontractor's scope included a jetty platform, unloading platform, sea water intake facility, and mooring systems valued at approximately \$70 million. The evaluation included critical path analysis, productivity analysis, and a review of issues related to standard of care and design. The value of the construction of the entire terminal is estimated to be \$875 million.

Pipeline—Developed a Time Extension Request for a Contractor on the expansion of existing force main system including installation of 10,000 feet of large diameter pipe, micro tunneling and construction of associated structures in Sacramento, California. Evaluation included the development of a detailed as-built schedule, determination and evaluation of critical delays through a CPM schedule analysis, and evaluation of additional costs as a result of labor inefficiencies. Findings used in dispute resolution board and mediation.

Pipeline—Developed a Time Extension Request for a Contractor on the installation of 11,000 feet of large diameter pipe, construction of associated structures and roadway expansion in Sacramento, California. Evaluation included the development of a detailed as-built schedule, determination and evaluation of critical delays through a CPM schedule analysis.

Floating production, storage and offloading vessel (FPSO) / Floating storage and offloading vessel (FSO)—Performed schedule, cost, and engineering analysis on behalf of a Malaysian fabrication contractor responsible for the \$40 million fabrication of multiple top side processing modules for two vessels being assembled in Singapore. Findings were presented through multiple expert reports and arbitration testimony both in defense against the EPC contractor's claim and in support of the fabrication contractor's affirmative claim.

Infrastructure

Electrical Transmission – Performed a risk analysis, including a Monte Carlo simulation, for a utility owner on a proposed new HVDC transmission line and associated converter station. The risk analysis included a review of the existing project schedule, development of a baseline schedule and a probabilistic cost and schedule risk assessment. The evaluation also identified internal and external risks to the project and facilitated the development of mitigation options.

Substation – Completed a risk assessment of schedule and cost overruns related to the modernization of a complex indoor substation. Evaluation included review of the baseline, including the addition of cost loading, identification of project risks, and probabilistic cost and schedule analysis.

Bridge—Developed a Time Extension Request for a contractor on an approximately \$20M seismic retrofit and rehabilitation of a bascule span bridge in San Francisco, California. Evaluation included development of a detailed as-built schedule and determination and evaluation of critical delays through a detailed CPM schedule analysis. Findings used in dispute resolution board and mediation.

Electrical Transmission – Performed risk evaluation and assessment on 4 alternatives for electrical transmission line for inclusion in submissions to regulatory agencies regarding scope and cost of the project.

Electrical Transmission, Distribution and Substations: Consulted with a distribution and transmission division for one of the largest natural gas and electric utilities in the United States to improve group's overall performance and management of its program of work. The scope of work included expanding the use of existing management tools, the development and implementation of a series of repeatable process and procedures and enhanced project controls and reporting tools, including over 400 resource loaded project schedules. Varying levels of project and program level reporting were developed for project stakeholders based on individual level of involvement.

Light Rail – Evaluated claim associated with the installation of 4 segments and one control center for San Francisco's light rail system. Evaluation included a schedule analysis and presentation of findings at mediation.

Institutional

Research Facility—Prepared the defense of an approximately \$90 million claim submitted by large international general contractor against of the U.S. Government on a new \$200 million research and administration facility located in Research Triangle, North Carolina. Assisted in the development of schedule analysis and preparation for mediation and mini trial. Project was LEED certified Silver.

Courthouse—Prepared the defense of \$85 million claim submitted against the U.S. Government by large general contractor on a new \$180 million courthouse in Islip, New York. Assisted in the development of schedule analysis and with preparation for two mediations and trial.

Particular focus included the review of the MEPS process including, Requests for Information, Shop Drawings, coordination process and MEPS related critical delays.

Research Facility—Prepared schedule analysis on behalf of owner of research center expansion project in Bethesda, Maryland.

Institutional—Prepared the defense of a claim submitted against the U.S. Government by a large general contractor on a renovation and modernization project in Washington, D.C.

Military/Housing—Evaluated surety claim against the Navy for construction of officer housing in Seattle, Washington. Evaluation included review of overpayment, material purchasing/handling and other issues associated with contractor termination including status of project at termination.

Military—Completed evaluation of project to determine if contract completion duration was reasonable for a design-build contract that included modernization and expansion of existing facilities on a military base. Included the development of a baseline schedule that was used to determine a more reasonable contract duration.

Institutional—Completed evaluation of 7 U.S. Government projects across the U.S. to identify causes of higher than budgeted estimates at the completion of design and inability to award contract because of higher than anticipated contractor bids. Study included an evaluation of escalation and making formal recommendations to address relevant cost drivers.

Residential/Commercial—Assisted in the development of baseline schedule for construction of 27 story mixed-use facility located in downtown Los Angeles, California. Provided schedule revision and update support.

Residential—Assisted a general contractor constructing a \$200M high rise condominium project located in down town San Francisco. Services included schedule updating and evaluation of potential claims positions.

Transportation

Highway/Cost Recovery—Participated in cost recovery program for roadway construction project in Boston, Massachusetts. Evaluation included review of Quality Control issues associated with roadway paving.

Highway—Developed a Time Extension Request for a general contractor on an approximately \$80M highway project. Evaluation included development of detailed as-built schedule, quantification of acceleration and determination and evaluation of critical delays through interview of on-site personnel and review of project documents. Analysis also included evaluation of additional cost overruns associated with owner caused changes, constructive acceleration and delays.

Highway—Assisted the general contractor to develop a baseline schedule for a \$35M highway and bridge widening in Placerville, California. Evaluated the baseline schedule against contract

requirements to ensure compliance. Developed “contract packages” that were used by the contractor to standardize the change order, differing site condition and claim process.

Roadway Design – Reviewed and provided expert opinions on a number of accident related matters including roadway design, clear-zone, and modifications to roadway alignment on construction sites.

Transportation Design and Research

Highway—Designed roadway re-alignment in Newark, Delaware. Re-alignment included the relocation of utilities, addition of turn lane, addition of bike lane, storm water design, and developing a revised horizontal and vertical alignment.

Infrastructure—Designed over 19 miles of new sidewalk in Newark, Delaware for a multi-year phased project to improve pedestrian mobility. Design included surveying and verifying existing conditions, roadway realignment, clear-zone considerations, utility coordination and relocation, horizontal and vertical geometric design, earthwork, signing and striping, ADA compliance, and storm water design.

Research—Managed study for state of Maryland to evaluate durability and reflectivity of 8 models of raised pavement marker. Study was used by Maryland Department of Transportation to develop guidelines for appropriate raised pavement marker selection.

Professional Affiliations

- Project Management Institute, College of Scheduling (member)
- American Society of Civil Engineers (member)