

ALEXANDER B. VOLLMER, P.E.

PROFESSIONAL REGISTRATIONS/LICENSES:

Professional Engineer (Civil) - New York (No. 045638-1, 1970)
California (No. C 054817, 1995)
Michigan (No. 6201048492, 2001)

PROFESSIONAL EDUCATION:

Bachelor of Civil Engineering - Cornell University, Ithaca, NY (5 year program)
Master of Civil Engineering - Cornell University, Ithaca, NY (2 year program)
Major - Structural Design & Analysis
Minor - Geotechnical Engineering

Proficient in spoken and written Spanish and spoken German

PROFESSIONAL CONSULTING EXPERIENCE:

1996 to Present: VOLLMER CONSTRUCTION CONSULTANCY, Principal
San Francisco & San Anselmo, CA

Providing civil engineering and construction consulting services including technical advice, dispute resolution assistance and expert testimony to owners, contractors, Engineers, Architects, underwriters, adjusters and their legal counsel. Services include construction contract claim preparation and analysis utilizing Critical Path Method (CPM) schedule techniques, loss of labor productivity studies and liability assessments; Construction project performance evaluations (including Standard of Care assessments); Construction contract and Proposed Change Order (PCO) review for causation and betterment; Property and casualty loss investigations and reconstruction estimates; Personal injury investigations and opinions of liability; Pre-litigation support services including interrogatory and opposing expert deposition question preparation; Attendance at opposing expert deposition; Provision of expert testimony at deposition, mediation, arbitration and trial. Service as a member of Dispute Resolution Board (DRB) forums.

Major Assignments:

Damage to a gypsum loading terminal: Assisted in the defense of a \$10 million claim by a loading terminal facility against a shipping company for costs of replacement of a breasting dolphin allegedly damaged by a 70,000 DWT berthing vessel. Forensic work included examination of the appropriate dolphin design berthing approach velocity (per PIANC guidelines) and the efficacy of the construction, maintenance and repair of the damaged berthing dolphin prior to the incident. Provided expert testimony in deposition and in trial in Federal District Court.

Sub-contractor pass-through claim against State Transportation Authority: On behalf of a state transportation authority, Mr. Vollmer provided an analysis of a contractor's \$600,000 claim for direct and delay damages and Liquidated Damages relief. Mr. Vollmer created an As-Built schedule from project records and determined the As-Built Critical Path. He also identified contractor delays and inefficiencies and non-compliance with owner supplied equipment. In addition, Mr. Vollmer provided expert testimony in deposition and arbitration, which resulted in a determination of no liability on the part of the authority.

Vessel Damage at Wood Chip Loading Dock: Investigation, analysis and expert testimony in Federal Court on behalf of facility owner as to the adequacy of a chip loading dock for ocean-going vessels, in defense of a \$27 million claim by vessel owner for negligence in the maintenance and operation of the facility. Full judgment in favor of client/owner of loading facility.

Contractor Claim for Damages against Owner: Analysis of a contractor's pre-bid investigation and post-award performance during trenching for fiber optic cable installation. Expert testimony in arbitration as to the contractor's performance vs. schedule and liability for damage recovery.

Subcontractor Claim for Damages against Architect: Analysis of a claim of design negligence resulting in project delays in completion of an airport terminal. Expert presentation in mediation as to actual schedule impact resulting from subcontractor's interpretation of design elements.

1989 to 1996: HIGH-POINT RENDEL, General Manager, Senior Consultant
(Previously High-Point Schaer & Schaer Associates)
San Francisco, CA

Opened and managed the Northern California office of an international construction consulting group. Performed as Project Executive or Project Manager for a wide range of projects including construction project claim development and analysis, dispute resolution assistance including expert testimony, construction project schedule analyses and loss of productivity studies, contracts review, property loss assessments and preparation of reconstruction estimates, construction project related casualty (personal injury) loss claim investigations and litigation assistance, financial risk assessments, surety bond claim investigations & estimates to complete construction and Architect/Engineer Standard of Care assessments.

Provided expert testimony as to liability for construction schedule impacts and project delays based on CPM schedule analyses, on responsibility for site safety, on appropriateness of contractor's construction means and methods, on reasonableness of reconstruction schedules, on contractor's interpretation of information provided in plans and specifications, on reasonableness of claimed costs and methodology of their calculation and on sufficiency of specifications provided to contractors in bidding documents.

Major assignments:

Santa Rita (CA) Replacement (Detention) Facility: Analysis of Owner's \$16 million claim against the design Architects/Mechanical Engineers for delay damages on a \$150 million project including a CPM schedule analysis and determination of liability for direct cost damages.

Sacramento County (CA) Jail: Analysis of a Contractor's \$20 million 'modified total cost/total time' claim for delay and disruption against the design Architects for errors and omissions.

University of North Carolina Co-generation Plant: Analysis of a design build Contractor's \$36 million direct cost and delay claim against the Owner for impacts due to differing site conditions, changes and operational interferences during boiler replacement in an operating facility.

Alexander B. Vollmer, P.E.

Page 3

Cabrillo Beach (CA) Marina: Development of a sub-contractor's claim for delay and disruption damages against the General Contractor and Owner during construction of a \$22 million, 1500 slip pleasure boat marina.

1988: VOLLMER CONSTRUCTION CONSULTANTS, Principal
San Francisco, CA

Provided technical assistance including direct and delay claim analysis and quantification using CPM methodology to owners, contractors, attorneys & Architects/Engineers. Provided and implemented construction project control and management systems. Provided fact witness testimony.

PROFESSIONAL CONTRACTING EXPERIENCE:

1982 to 1988: CROWLEY MARITIME CORPORATION, Area & Projects Manager
San Francisco, CA

Area Construction Manager and Senior Projects Manager for a major heavy civil marine works construction firm. Direct responsibility for Northern California and Alaska operations including supervision of individual Project Managers to insure on-time and in-budget project completions. Responsibilities included estimating and bidding of public and private projects and contract negotiation of non-bid projects. Developed and implemented project controls, handled labor relations/negotiations, liaised with public and private client representatives and coordinated with in-house and external legal counsel for claims arbitration and litigation support. Provided direct project management services in specialty situations. Projects included near-shore concrete pile supported, cast-in-place concrete deck wharves, timber pile supported bridge fender repair works, jetted and driven concrete pile and precast concrete module marina construction, steel pile supported Synchrolift™ dock installation, dredging and other projects employing marine pile driving derricks and associated equipment including barge mounted heavy lift cranes, tug boats and supply barges.

1964 to 1982: RAYMOND INTERNATIONAL, Inc. & Worldwide Subsidiaries:

1979 to 1982: HEALY TIBBITTS CONSTRUCTION CO., Projects Manager
San Francisco, CA

Projects Manager/Estimator for heavy civil marine construction works contractor with operations on U. S. West Coast and South America. Projects included sanitary outfalls, bridge construction rehabilitation, marina construction, sub-sea oil pipeline installation and marine facilities repair works. Responsibilities included identification of appropriate projects, proposal preparation, bidding, contracts negotiation, establishment and implementation of project management systems, on-time and in-budget execution of work, preparation and negotiation of change orders and claims administration including interface activities with public and private client representatives, in-house and external counsel and underwriter claim managers.

1977 to 1979: RAYMOND INTERNATIONAL BUILDERS, Inc., District Manager
Lagos, Nigeria

General Manager of in-country Sales/Administrative/Operations office with multi-national (expatriate and local) office and trade worker staffs. Responsible for construction project development and sales, including estimating, contract preparation and negotiation, change order preparation and negotiation and claims resolution for multi-contract infrastructure development program including foundation projects for bridges, highways, marginal and relieved wharves and docks utilizing concrete cylinder, steel pipe and sheet piling. Assumed responsibility for field Construction Management of projects including equipment and materials logistics, completion schedules and project cost vs. budget.

1976 to 1977: RAYMOND INTERNATIONAL, Inc., Project Manager
London, England, Almeria, Spain & Arzew, Algeria

Managed and coordinated the planning, design and negotiated contracts for the modification and mobilization of major specialty marine pipe laying equipment for use in a \$20 million sub-sea precast concrete cooling water intake tunnel project in the Mediterranean Sea. Assisted with negotiations between the Owner (Algerian government) and the Construction Manager (Bechtel) for sale of the equipment spread to the Owner and for the work accomplished.

1974 to 1976: RAYMOND-KIEWIT-TIDEWATER JV, Area Superintendent
Cove Point (Chesapeake Bay), MD

Responsible for the on-time, in-budget completion of a \$25 million marine berthing portion of an LNG offloading and storage facility. Project included pre-cast concrete cylinder pile jetting/ driving operation, pre-cast and cast-in-place concrete deck construction, steel sheet pile cofferdam and large diameter steel pile supported concrete mooring dolphin installation. Directly supervised five Assistant Superintendents and trade union force of 100+. Managed floating equipment fleet including two barge mounted pile drivers (one jack-up unit), three heavy lift crane barges, a floating concrete batching plant, supply barges and a fleet of service launches and tugboats.

1971 to 1974: RAYMOND CONSTRUCTION CO. of TRINIDAD, Project Manager
Galeota Point, Trinidad, W.I.

Complete on-site responsibility for construction, budget and completion schedule of several consecutive projects including installation of a 1700 meter long steel sheet pile earth-filled jetty, dredging of a supply vessel turning basin and installation of concrete anchoring weights on a sub-sea offshore pipeline for an international oil company. Responsibilities included field management of expatriate and local labor force; in-country client relations; subcontracts preparation, negotiation & supervision and claims preparation & negotiation with U.S. Owner.

1970 to 1971: RAYMOND-DRAVO-LANGENFELDER JV, Assistant Superintendent,
Superintendent, General Superintendent
Annapolis, MD

Responsible for planning and prosecution of installation of precast concrete cylinder pile supported, precast concrete beam and cast-in-place concrete deck structures for approaches to the second Chesapeake Bay suspension bridge crossing. Supervised pile jetting/driving, precast and cast-in-place concrete work. As General Superintendent responsible for all off-shift pile driving, tremie concrete placement in Potomac-type piers and cast-in-place anchorage pier construction. Also responsible for fleet of marine equipment including crane barges, supply barges, concrete batch plant, and service launches and tugboats.

1969 to 1970: RAYMOND METAL PRODUCTS Co., Owner's Representative
Baltimore, MD

Responsible for oversight of third party contractor's schedule and performance during expansion of Company's operating metal products plant. Activities included construction contract negotiation, design engineer liaison and construction coordination to permit continuation of plant activities during construction period.

1968 to 1969: RAYMOND TECHNICAL FACILITIES, Inc., Civil Engineer
New York, NY

Office Engineer responsible for planning of design projects, structural design and drafting for foundation design projects. Assisted with preparation of engineering design proposals.

1967 to 1969: CONSORCIO RAYMOND – BROWN & ROOT, Field Superintendent
Maracaibo, Venezuela

Marine civil works Superintendent responsible for on-site prosecution of work activities and maintenance of schedule for construction of an offshore (mid-Lake) natural gas recompression platform. Responsibilities included overseeing concrete cylinder pile driving, placement of pre-cast concrete deck modules, cast-in-place concrete batching and placement and erection of fabricated steel members. Supervised expatriate and in-country labor force operating barge mounted pile driver, two heavy lift barge mounted derricks, barge mounted concrete batching plant and various tugboats and supply barges. Directed three Assistant Superintendents and a surveying crew.

1967: RAYMOND INTERNATIONAL, Inc., Engineering Liaison
Cabinda, Angola & New York, NY

Liaison Engineer responsible for explaining to prospective owner/client various preliminary design and construction proposals for a marine crude oil collection and loading facility being proposed by Company's Stateside engineering group. Interfaced with prospective client's in-country operations team to develop facility design parameters to assist with Company's final design/build proposal. Researched and assembled local labor, materials and services cost data for development of proposal. Presented and explained final proposal to prospective client.

1965 to 1967: CONSORCIO RAYMOND-BROWN & ROOT, Engineer/Superintendent
Maracaibo, Venezuela

Civil Engineer responsible for steel fabrication yard materials ordering, optimum usage determinations and piece layout for fabrication. As Superintendent, assisted marine piling and steel erection operations with scheduling and project layout.

1965 to 1965: CORPORACION RAYMOND, S.A., Engineer/Superintendent Trainee
Puerto Rico

Engineer responsible for layout, installation and quality control of building foundation and near-shore facilities Step-Taper™ (driven steel shell) and steel pipe piling projects. Coordinated concrete pouring, equipment scheduling and materials logistics for these projects. Responsible for damage assessment and layout for reconstruction of fendering dolphins at offshore molasses loading terminal damaged by ocean-going vessels.

PROFESSIONAL CONSTRUCTION & CONSULTING SPECIALTIES:

Planning, design coordination, estimating, scheduling and execution of onshore and near-shore heavy civil land and marine foundation construction projects. Project experience includes concrete and steel pile supported marginal wharves, marine loading terminals, jetties, piers, pile supported bridge fendering systems, segmented concrete and steel pipe offshore outfalls (wastewater discharge and water intake), onshore and offshore bridge foundations (caisson and pile supported), stationary oilfield platforms, oil/gas tanker loading/unloading piers, sea walls, slope revetting and dredging operations in connection with some of these projects. Pile driving experience includes timber, concrete, concrete cylinder, steel pipe and H-beams as well as steel and concrete sheet piling. Experienced in the selection, deployment and on-site management of land and marine construction equipment including derrick barges, batch plants, pile drivers, supply barges and service launches and tugboats.

Experienced in proposal preparation (estimating, bidding, presentation), constructability reviews, owner/designer liaison, contract review, development and implementation of project control and management systems, project scheduling, project management and closeout, claims preparation and negotiation and technical support for mediation, arbitration and litigation related to constructed facilities.

Experienced in identification, analysis and evaluation of construction project documents and claims related to schedule delay/impact, extended performance, scope change, loss of productivity and disruption. Experienced in the analysis of As-Planned and As-built schedules and preparation and presentation of delay and performance related analyses.

Experienced in the preparation and use of explanatory exhibits for use in adjudicative forums as well as in the provision of expert testimony in these forums.

(Current as of March 2009)

DATE	CLIENT	FORUM	PROCEEDINGS	DESCRIPTION OF TESTIMONY
DEPOSITIONS:				
1987	Crowley Constructors, Inc.	U. S. Federal District Court (Alaska)	Crowley Constructors, Inc., et al. v. City of Seward, Alaska and Wausau Insurance Company	Fact testimony re: construction of a ship repair facility (shiplift/drydock)
6/90	Crowley Constructors, Inc.	U. S. Federal District Court (Los Angeles)	Bremerton Concrete Products, Inc. v. Brinderson Corporation, et al.	Fact testimony re: construction of a pleasure boat marina.
1/91	Industrial Indemnity Insurance Company	Trinity County (CA) Superior Court	City of Eureka, CA v. Industrial Indemnity Insurantee Co., et al.	Expert testimony regarding appropriate pier reconstruction costs fir rchabilitation of a fire damaged wood construction commercial fishing pier.
6/91	Williams & Burrows, Inc.	Sonoma County (CA) Superior Court	Williams & Burrows, Inc. v. Continental Insurance Company, Quebec Construction, et al.	Expert testimony re: accuracy of framing sub-contractor's bid estimate; opinion as to cost of materials to complete work remaining at time of sub-contractor termination.
7/91	J & J Builders	Sacramento County (CA) Superior Court	Sacramento Natomas, et al. v. London Properties, et al.	Expert testimony defending a General Contractor against alleged defective construction means and methods in construction of a condominium complex.
8/96	Eagle Pacific Insurance Company	San Diego County (CA) Superior Court	Kidwell v. Point Loma Constructors, et al.	Expert testimony in personal injury action re: Contractor's actual sea outfall pipe sections placement production rate compared to (1) industry standard production rate progressions and to (2) Contractor's estimated pipe sections placement production rate.
10/98	State of California, Department of Transportation	California Office of Administrative Hearings (OAH)	Helix Electric Co., Inc. v. State of California	Expert testimony as to reasonableness of contractor's interpretation of contract documents; as to sufficiency of information presented on contract documents; as to ability of contractor to complete contract work in scheduled contract time, as to responsibility for delays encountered on project, as to reasonable time for contract to have completed project.

DATE	CLIENT	FORUM	PROCEEDINGS	DESCRIPTION OF TESTIMONY
	DEPOSITIONS (con't):			
4/99	CGU International Marine Underwriters/ Great American Insurance Company (Kent J. Clancy, Esq.)	United States District Court, Central District of California	Amwest Surety Insurance Company, as assignee of IDS (International Diving Service) v. Commercial Union Insurance Company, et al.	Expert testimony as to cost of repair of wood pulp mill effluent outfall pipeline which buckled during installation; as to the potential liability of insurers for the cost of pipeline repair; and as to the efficacy of plaintiff's experts' reports opining on the cost of repair of the pipeline.
2-3/00	Louisiana-Pacific Corporation/AIG Insurance Company (Mark O. Kasanin, Esq.)	United States District Court, Northern District of California Case No. C98-0648 PJH	KURE Shipping, S.A. and Patt Manfield & Co., Ltd. v. Louisiana-Pacific Corp., Louisiana -Pacific Samoa, Inc. and North Coast Export Co.	Expert testimony as to the design similarities of the marine portion of various bulk (wood chip) loading terminals; the adequacy and safety of the marine portion of the Louisiana-Pacific (L-P) facility at Samoa; the necessity for L-P to consider modifications to the marine portion of the Samoa facility and the adequacy of L-P's maintenance of the marine portion of the Samoa facility.
9/01	Worldwide Marine Services, Ltd.	Harris County (Texas) District Court	Worldwide Marine Services, Ltd. v. Coastal Refining & Marketing, Inc. and Coastal Petroleum Dominicana, S.A.	Expert testimony as to the acceptability of an underwater pipeline trench delivered to pipeline pulling contractor by Owner. Testimony as to acceptability of Owner's actions in enforcing provisions of trenching contractor's contract. Testimony as to the acceptability of positioning and trenching methods used by third party trenching contractor. Testimony as to the acceptability of pulling equipment spread utilized by pulling contractor.
9/02	Anna & David Rogers (Robert L. Glushon, Esq.)	Superior Court of California, County of Los Angeles No. SC066976	Anna & David Rogers v. Trigger the Digger	Expert testimony as to the Standard of Care of a foundation contractor in the conduct of preparing a bid and executing a project; Expert testimony as to causation of damages to a residential structure resulting from vibratory pile driving.
10/03	State of California, Department of Transportation (Margaret Stark-Roberts, Esq.)	California Office Administrative Hearings (OAH)	MCM Construction, Inc., Agra Foundations, Inc. & Hanson Aggregates Mid-Pacific, Inc. v. State of California	Expert testimony regarding the efficacy of a schedule delay and consequential damages claim on a drilled caisson bridge construction project resulting from alleged (in)actions by the Department brought by a second-tier sub-contractor.

ALEXANDER B. VOLLMER, P.E. (CA, NY, MI) – ADJUDICATIVE FORUMS APPEARANCES

(March 2009) 4/9

<u>DATE</u>	<u>CLIENT</u>	<u>FORUM</u>	<u>PROCEEDINGS</u>	<u>DESCRIPTION OF TESTIMONY</u>
	MEDIATIONS			
11/90	The Spink Corporation Sacramento, CA	Sacramento County (CA) Superior Court	ARCO Arena, Ltd. & Sacramento Sports Association v. The Spink Corporation	Expert presentation in defense of structural design firm for direct and delay damage liability exposure allegedly resulting from errors in design of multi-purpose arena. Mediator: Anthony C. Piazza, Esq.
5/91	Williams & Burrows, Inc.	Sonoma County (CA) Superior Court	Williams & Burrows, Inc. v. Continental Insurance Company, Quebec Construction, et al.	Expert presentation regarding schedule delays and cost overruns on senior care facility where the framing subcontractor was terminated and the GC defaulted. Mediator: Anthony C. Piazza, Esq.
6/91	Karlsberger & Associates, Inc.	Salt Lake City (UT) District Court	Stott Erection Co., Inc. et al. v. Karlsberger & Assoc. Architect, et al	Expert presentation re: cost overruns claimed by steel fabricator/erector against Architect due to alleged inefficiencies in fabrication production from design changes. Mediator: Anthony C. Piazza, Esq.
12/92	State of North Carolina, University of North Carolina	North Carolina Superior Court	Tiger Construction Co. v. State of North Carolina (University of North Carolina @ Chapel Hill) and CRS Sirriue.	Expert presentation in defense of direct cost claims asserted by Contractor resulting from construction of a cogeneration plant; Presentation of Owner's direct cost counter-claims. Mediator: Eric D. Green, Esq.
10/94	U. S. Army, Corps of Engineers	Corps of Engineers, Board of Contract Appeals (COEBCA)	Appeal of the Travelers Indemnity Company, Completing Surety for Maecon, Inc.	Expert presentation regarding construction schedule delays alleged to have resulted from defective design of marine sand pumping system incl. dredging, piling, and anchorage of system. Settlement Conference Judge: Hon. Steven L. Reed
5/98 & 4/99	Cunningham & Sons, Inc.	Superior Court of California, County of Stanislaus	Atkinson Consolidated Enterprises v. Cunningham & Sons, Inc., et al	Expert presentation and technical assistance at two mediations regarding liability for and quantum of damages to five cone shaped, concrete grain storage silo foundations. Mediators: James M. Phillips, Esq.; Daniel F. Quinn, Esq.

DATE	CLIENT	FORUM	PROCEEDINGS	DESCRIPTION OF TESTIMONY
MEDIATIONS (con't.)				
6/01	HOK Architects, Inc.	Superior Court of CA, County of San Francisco	S. R. Murphy Enterprises, dba Atlas Plastering, Inc. v. HOK, Inc. et al.	Expert presentation of schedule analysis of delays and impacts claimed by framing & drywall subcontractor resulting from alleged wall systems design deficiencies. Mediator: Randall W. Wulff, Esq.
12/07	West Contra Costa Unified School Dist.	Superior Court of CA, County of Santa Clara Case No.: 1-05-CV042113	West Contra Costa USD v. RDS Architects, et al.	Expert presentation of delays to Civil construction works caused by errors, omissions and negligent management of civil works contractors by Architect. Mediator: Hon. Richard M. Silver (Ret.)
ARBITRATIONS				
12/92	Defense Construction Canada	Public Works Canada - CDAB (Canadian Dispute Assistance Board)	Foundation Company of Canada, Ltd. v. Defense Construction Canada	Expert assistance and opinion at hearing regarding marine construction procedures, methods and equipment usage in construction of concrete pile supported jetties.
1/93	Fireman's Fund Insurance Company	Marin County (CA) Superior Court	Schoonmaker Point Marina v. Fireman's Fund Insurance Company	Expert testimony regarding pleasure boat marina storm damage related reconstruction costs (concrete piling, floats & accessories) and reasonableness of completion schedule.
8/94	State of California, Department of Transportation	California Office of Administrative Hearings (OAH)	Tutor/Saliba v. State of California	Expert testimony re: adequacy of information provided on contract plans; Interpretation of Specifications; Assessment of Contractor's means and methods for pile driving; Assessment of reasonableness of Contractor's pile driving bid estimate re: equipment selection and production rates.
9/94	State of California, Department of Transportation	California Office of Administrative Hearings (OAH)	Tutor/Saliba/GB, JV v. State of California	Expert testimony regarding interpretation of Plans and Specifications for highway backfilling materials and placement; Assessment of reasonableness of Contractor's pile driving methodology and estimated production rates.

ALEXANDER B. VOLLMER, P.E. (CA, NY, MI) – ADJUDICATIVE FORUMS APPEARANCES

(March 2009) 6/9

DATE	CLIENT	FORUM	PROCEEDINGS	DESCRIPTION OF TESTIMONY
	ARBITRATIONS (con't.)			
11/95	State of California, Department of Transportation	California Office of Administrative Hearings (OAH)	Successor Trustee for Willamette-Western Corp., fka Riedel International v. State of California	Expert testimony regarding reasonable expectations of pile driving contractor based on information supplied to bidders; Opinion as to sufficiency of information supplied to bidders; Opinion as to reasonableness of Contractor's bid estimate and planned means & methods of concrete pile installation.
8/97	Commercial Union Insurance Company/ International Marine Underwriters	Private Arbitration	Tahoe Marina Investment Group and Tahoe Boat Company Owners Association v. Commercial Union Insurance Company	Expert testimony regarding appropriate costs and methodology for in-kind reconstruction of storm damaged steel pile supported and sheet pile protected fueling dock. Development of estimates for in-kind replacement of stone-filled crib structure serving as outer breakwater. Arbitrator: Richard Gilbert, Esq.
7/98	ISI, Inc./John Deere Insurance Company (Insurer of Salt River Construction)	Private arbitration conducted under the California Code of Civil Procedure	San Francisco Yacht Club v. Salt River Construction Corporation	Expert testimony as to reasonable cost of and methodology for reconstruction of a portion of a concrete batter pile supported concrete sheet pile breakwater damaged in a barge collision. Arbitrator: Robert L. Balliett
11/98	State of California, Department of Transportation (Caltrans)	California Office of Administrative Hearings (OAH)	Helix Electric Co., Inc. v. State of California	Expert testimony as to reasonableness of interpretation of contract documents; as to sufficiency of information presented on contract documents; as to ability of contractor to complete contract work in scheduled contract time. Arbitrator: Leroy M. Gire, Esq.
1/99	WSA, Inc. & Incon, Inc. (Subcontractors to Mark Diversified, Inc.)	American Arbitration Association	County of Sonoma v. Mark Diversified, Inc., et al.	Expert testimony as to General Contractor's scheduling of project; as to subcontractors' input to initial schedule and updates; as to validity of quantum and methodology of General Contractor's claim for delay damages against subcontractors. Arbitrator: Thomas R. Hogan, Esq.

<u>DATE</u>	<u>CLIENT</u>	<u>FORUM</u>	<u>PROCEEDINGS</u>	<u>DESCRIPTION OF TESTIMONY</u>
	ARBITRATIONS (con't.)			
5/00	State of California, Department of Transportation (Caltrans)	California Office of Administrative Hearings (OAH)	Wagner Construction Co. v. State of California	Expert testimony as to reasonableness of Contractor's claimed schedule delays; development and presentation of an 'As-Built' Critical Path schedule; testimony as to Contractor's project planning. Arbitrator: Charles M. Sink, Esq.
10/00	Golden Gate Holdings, LLC (Golden Gate Petroleum)	Superior Court of California, County of Kings, No. 98C2814	The Tyree Organization, Ltd. v. Golden Gate Holdings, LLC	Expert testimony as to the cause of the failure of two underground fuel storage tanks and as to the Contractor's installation means and methods; Expert testimony as to the cause of failure of a Verathane wood flooring system. Arbitrator: James R. Madison, Esq.
2/04	State of California, Department of Transportation (Caltrans)	California Office of Administrative Hearings (OAH)	MCM Construction, Inc., AGRA Foundations, Inc. & Hanson Aggregates Mid-Pacific, Inc. v. State of California	Expert testimony as to efficacy of schedule delays claimed by AGRA during completion of CIDH pile installation for supporting piers of two bridge structures. Arbitrator: James R. Herrig, Esq.
	BENCH TRIALS			
2/94	St. Mary's River Irrigation District (S.M.R.I.D.)	Court of Queen's Bench of Alberta (Superior Court of Canada)	BEGRO Construction, Ltd. v. Saint Mary's River Irrigation District & UMA	Expert testimony re: adequacy of Contract Specifications for driving of steel sheet piling; Opinion re: Contractor's methodology for driving sheet piling and for rectification of resultant problems with installation of sheet piling.
5/99	CGU International Marine Underwriters & Great American Insurance Company	United States District Court, Central District of California Case: 98-4554 RSWL	Amwest Surety Insurance Company, as assignee of IDS (International Diving Service) v. Commercial Union Insurance Company, et al.	Expert testimony as to actual cost of repair of wood pulp mill effluent outfall pipeline which suffered buckling incidents during its installation. Judge: Hon. Ronald S. W. Lew

ALEXANDER B. VOLLMER, P.E. (CA, NY, MI) – ADJUDICATIVE FORUMS APPEARANCES

(March 2009) 8/9

<u>DATE</u>	<u>CLIENT</u>	<u>FORUM</u>	<u>PROCEEDINGS</u>	<u>DESCRIPTION OF TESTIMONY</u>
	BENCH TRIALS (con't.)			
3/01	AIG (American International Group) & Louisiana-Pacific Corporation	United States District Court, Northern District of California Case: C98-0648 PJH	KURE Shipping, S.A. and Patt Manfield & Co., Ltd. v. Louisiana Pacific Corporation, et al.	Expert testimony as to adequacy and safety of engineering aspects of marine facility for loading ocean going wood chip carrying vessels, including opinions on adequacy of layout, construction and maintenance of pile supported concrete dolphins and associated fendering system. Judge: Hon. Phyllis J. Hamilton
2/09	The CSL Group, Inc. as owners of the M/V CSL Acadian	United States District Court Northern District of CA San Francisco Division Case No. C07-04722 WHA In Admiralty	Compañía Minera, S.A. de C.V. v. The M/V CSL Acadian (IMO No. 8009571), <i>in rem</i> ; and CSL International, Inc., V. Ships (U.K.), Ltd.; and FB Shipping, Inc.; <i>in personam</i>	Expert testimony as to the efficacy of design parameters (design vessel approach velocity), construction (including variations from design drawings), maintenance and repair of a steel pile supported concrete berthing dolphin at a gypsum loading terminal in Mexico. Judge: Hon. William H. Alsup

ALEXANDER B. VOLLMER, P.E. (CA, NY, MI) – ADJUDICATIVE FORUMS APPEARANCES

(March 2009) 9/9

<u>DATE</u>	<u>CLIENT</u>	<u>FORUM</u>	<u>PROCEEDINGS</u>	<u>DESCRIPTION OF TESTIMONY</u>
	<u>JURY TRIALS</u>			
10/02	Anna & David Rogers (Robert L. Glushon, Esq.)	Superior Court of the State of California, County of Los Angeles Case: SC066976	Anna & David Rogers v. Trigger the Digger	Expert testimony as to the Standard of Care of a foundation contractor in the conduct of preparing a bid and executing a project; Expert testimony as to causation of damages to a residential structure resulting from vibratory pile driving. Judge: Hon. Patricia L. Collins
03/04	OWA Steel, Inc. (Steven L. Iriki, Esq.)	Superior Court of the State of California, County of San Francisco, Case: CGC-02-410171	Romak Iron Works, Inc. v. OWA Steel, Inc., City & County of San Francisco & Safeco Insurance Company of America	Expert testimony as to delays caused to Subcontractor by second-tier subcontractor and expert testimony in defense of claim for extended project costs alleged by second-tier subcontractor against subcontractor. Judge: Hon. Robert L. Dondero
	<u>DISPUTES REVIEW BOARD</u>			
8/2006 – 6/2007	Owner selected DRB panel member	Post-contract constituted Disputes Review Board	Mitchell Engineering/Obayashi Corp. JV, Contractor v. City & County of San Francisco, Owner	Review of 14 separate construction issues resulting from the contract to seismically retrofit a historic bascule bridge constructed in 1915. In conjunction with other DRB members, provided findings and recommendations for consideration by the parties.