

RESUME

GORDON H. ARONSON, P.E.

50 YEARS AS A PROFESSIONAL ENGINEER, GENERAL CONTRACTOR, STRUCTURAL/MECHANICAL ENGINEER, ENGINEERING/CONSTRUCTION MANAGEMENT, ARBITRATOR/EXPERT WITNESS, PROJECT CONTROLS CONSULTANT, SOFTWARE IMPLEMENTOR, SOFTWARE INSTRUCTOR AND PUBLIC SPEAKER

CONSULTANT

- Implement Primavera Software Systems within Companies, Agencies, & Enterprises.
- CPM Scheduling Expert, Instructor, Mentor, Schedule Creator/Reviewer
- Primavera Solution Provider & Certified Instructor (Primavera Instructor)
- Preparation of Manuals, procedures, specifications, & technical graphics
- Construction Claims Expert Witness and Impact/Delay Analysis Expert
- Construction Industry Arbitrator - American Arbitration Association (29 years)
- Database expert (FileMaker, Access, SQL) and report designer (Crystal & InfoMaker)

INDUSTRIES/PROJECT TYPES

- Minerals Industry - Continuous/batch processing - Materials Handling
- Oil & Gas
- Waste Water/Water Plants
- Coal - ROM & Washing - Coal Firing
- Electric Power - Coal, gas, oil fired & cogeneration
- Heavy Commercial & Light Commercial
- Resorts & Casinos
- Airports & peripheral facilities
- Heavy & Highway - Roads & Structures
- Locks & Dams

CHRONOLOGY

Vision Consultants, LLC, Consultant — Professional Services 1992 — Present

- Primavera Consultant, Implementer & Instructor
- Served as Primavera Dealer Primavera Instructor/Consultant
- Worked with over 150 Companies/Agencies providing contractual services
- Engineering & Construction Consultant/Expert Witness

Consultant/Sr. PM/ VP 1988 — 1992

- CPM Scheduling/Delay Analysis Expert (US-Wide)
- Expert Witness (largest Claim in excess of \$32M)
- Developed Several Analysis Database Systems for CPM Process Plant Layout and Design (Mechanical, Structural, Process Flow)
- Engineering Group Management and Drawing Release
- CPM Scheduling/Delay Analysis Expert (US-Wide)
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- Follow jobs to the field as Eng. Rep.
- CPM scheduling using Mainframe Computer
- Managed small and large Processing Plant Projects
- Interfaced with other Engineering Companies
- Drafted Technical Specifications

General Contractor, Sr. PM, VP & Qualifying Party 1982 — 1988

- Head of Scheduling and Controls (Primavera)
- Internal Claims Expert & Arbitrator
- Managed 3 Wastewater/Power Plant Projects and Heavy Highway
- Project Closer

Industrial Equipment Manufacturing, Manager of PM/PA Dept. 1980 – 1982

- Managed 11 PMs and 2 PAs overseeing all company projects
- Redesigned their Project Procedures Manual and Trained
- Managed the Company's Mini Computer and terminals

Worldwide Process Equipment Supplier, Senior Project Manager 1977 — 1980

- Helped integrate US Practices into a European Business Culture
- Developed Process Equipment/Plant Proposals
- Coordinated Plant Requirements with their other offices
- Introduced Scheduling and Project Controls into US Office
- Worked on various projects and new technology worldwide

Engineer to Sr. PM 1964 — 1977

- Project Recap:

Project Owner	Year	Description	My Job Title
Permanente	1979	Longhorn Preheater Expansion	Sr. PM
General Portland	1979	Lebec Preheater Expansion	Sr. PM
Cementos Tolteca	1977	Turnkey Cement Plant	Sr. PM - PC
Lone Star Industries	1977	Plant Expansion	Sr. PM
Camargo Correa	1976	Brazilian Cement Industry Project	Engineering Manager
General Portland	1976	New Plant in Texas	Sr. PM - PC
River Cement	1976	Emissions Reduction Project - EPA	Sr. PM
Gresik Cement	1975	Indonesia – Major Plant Expansion	Sr. PM – PC
Martin Marietta	1975	Plant Improvements	PM – Eng. Mgr.

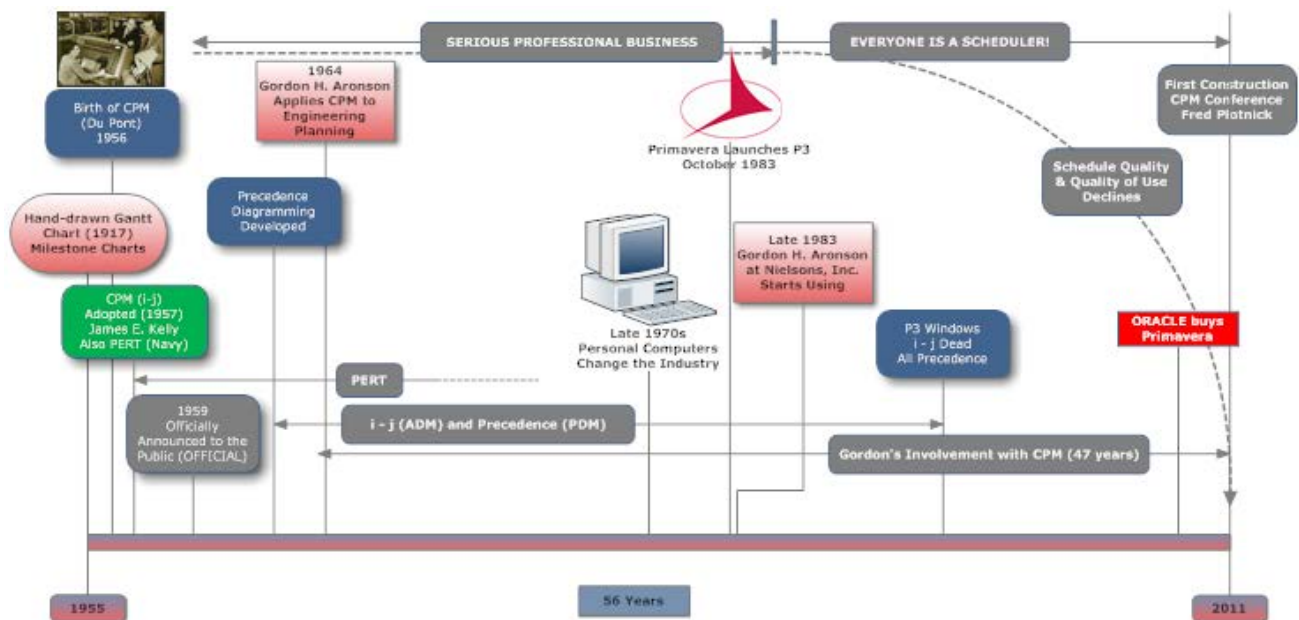
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Martin Marietta	1975	Roberta, AL - EPA and Major Exp	PM – PC
Hawaiian Cement	1974	Basalt Handling Project	PM – Eng. Mgr.
Lake Ontario Cement	1974	Major Plant Study	PM – Analyst
Martin Marietta	1973	Major Plant Expansion	PM
River Cement	1972	Coal mill & Kiln Firing System Project	PM – Eng. Mrg.
Peabody Coal	1971	R.O.M. new Facility	Engineering Manager
Hawaiian Cement	1970	New Processing Line	Eng. Mgr. – PC
Martin Marietta	1970	New Raw Milling System	Eng. Mgr. – PC
Martin Marietta	1968	New (Last) Wet Process Plant - Maine	Eng. Mgr. – PC
Pacific Cement & Aggregates	1968	30 mile overland conveyor & Ship Loading	Eng. Mgr. – PC
Martin Marietta	1967	Plant Mods. & Improvements	Field Eng. – PC
General Portland	1966	Major Plant Study of Trinity Division - Texas	PM – Analyst
Utah Portland	1965	Complete New Raw processing & Feed System	Eng.

CPM Scheduling Throughout my Career:



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Excerpts from Letters of Recommendation received by Gordon:

November 11, 1985 Douglas Seegmiller, Poole, Tinnin & Martin, Attorney

“Lawyers have several common complaints about experts: (1) that they are not prompt, (2) that they do not anticipate how their opinions might be attacked by other parties, and (3) that they fail to appreciate the need to explain their opinions in simple, understandable terms. None of these complaints apply to Gordon.”

“In addition to his technical skills, Gordon recognizes that the role of an expert in litigation is to communicate his ideas in a simple, effective manner.”

October 18, 1985 Edward F. Mitchell, Attorney

“During the course of my association with Mr. Aronson, I observed his unusual range of skills, both administrative and technical. He has an acute sense of what important steps may be taken at the moment to prevent difficulty downstream. He has, during my association with him, demonstrated excellent skills in identifying future risks and documenting current related problems. His record-keeping is impeccable...”

“He is one of the only persons I know who have the breath of knowledge and common sense to apply his engineering expertise to legal and accounting problems with consistent, competent, and exceptionally gratifying results.”

March 22, 1999 Christine K. Barrett, Las Vegas Valley Water District

“His extraordinary knowledge of Primavera Products and their features, combined with his breath of experience in the engineering field, have made our business meetings move quickly through the matters at hand. In our brainstorming sessions, he usually identifies issues I have overlooked and offers more than one option for addressing a system requirement. During this time he has oriented himself to the various interests and needs of the different departments within the district.”

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June 11, 1982 Walter Laidlaw, President, Claudius Peters, Inc.

“During his employment Mr. Aronson’s administrative abilities, valued input, and intimate knowledge of contract management made him an extremely valuable employee.”

November, 1991 Charles P. Guess, P.E., High-Point Schaer

“Gordon exhibited enormous knowledge about the Construction Industry as we analyzed the various construction claims. He was always very generous with sharing this knowledge as key questions would arise on the projects.”

October 1, 1991 Laurence Hampton, P.E., High-Point Schaer

“Mr. Aronson’s experience in engineering, both in the field and the office, provides him valuable insight into the claims consulting services. He has a tremendous ability to see both the big picture and the details which relate to complex issues of dispute. His ability to deal with schedule related matters is most noteworthy. His skills regarding computer analysis and programming are equally important.”

January 3, 1990 David H. Gartshore, Jordan, Keeler & Seligman, Attorney

“Gordon was a specialist in CPM scheduling and delay impact analysis as well as the primary expert for evaluating cases, ... In working together Gordon demonstrated a truly remarkable talent for getting to the heart of some very complex and difficult construction issues and, as a result of his analyses, making a very valuable contribution towards a plan to resolve these claims. ... Gordon is a highly motivated, very competent construction claims consultant.”

September 29, 1983 Thomas N. Frisby, Frisby & Assoc., Attorney

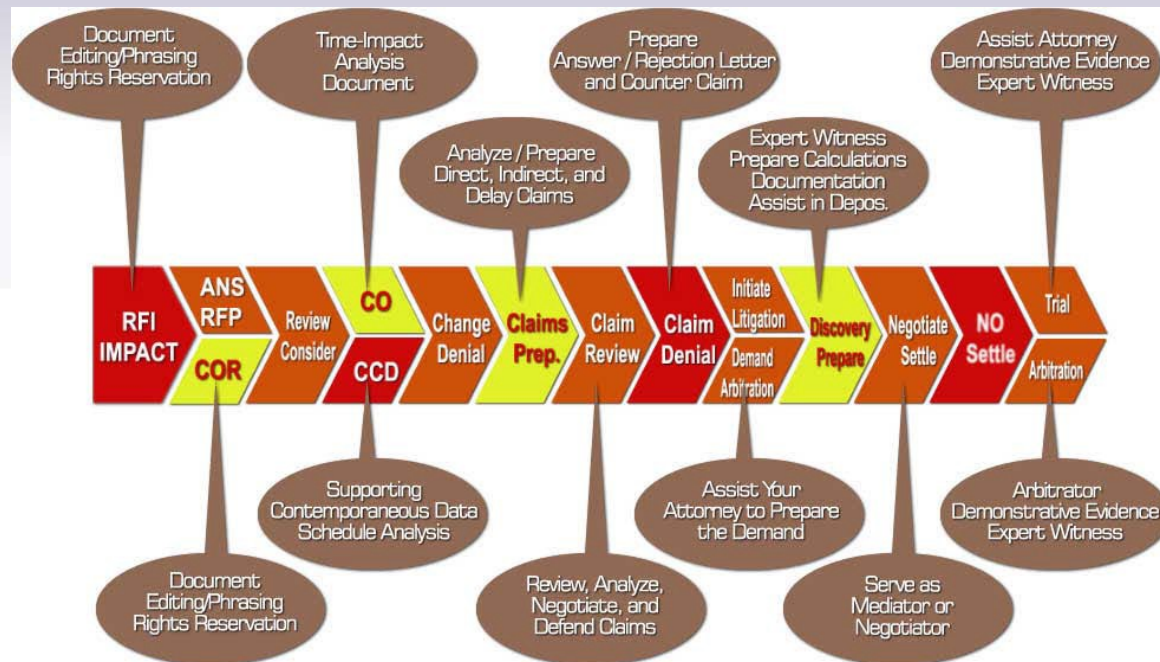
“Gordon is technically superior, especially in the mechanical trades. His penchant for detail is exceptional. He is the quintessential engineering manager, and he is obviously very conscientious. He works hard – very hard.”

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Construction Claims/Expert Witness:



Major Construction Claims Experience:

As A Claims Consultant

Sacramento County Jail, Sacramento, CA (approximately 1-year) - \$19.9 Million

Claim filed by the Contractor, Bechtel Corporation, for direct and delay damages on \$75.7 million multi-story County Jail facility in the center of downtown Sacramento. Retained by the architectural firm of Helmuth, Obata and Kassebaum (HOK), through CNA their Errors and Omissions Insurance carrier. My position was Senior Consultant. I directed all of the delay analysis, loss of productivity analysis and review of all the impacts and specific issues. There were over 3000 issues from RFIs and other documents to deal review and analyze. As as-built schedule was reconstructed from contemporaneous documentation and a But-For style analysis was made. All issues were read, considered, quantified and applied if deemed pertinent. Deposition, settled.

Seattle Convention Center, Seattle Washington (approximately 14 months) - \$27.8 Million

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Claim filed by the Contractor, Paschen Contractors, Inc., for direct and delay damages recovery on a \$100 Million convention center project in downtown Seattle. Retained by the Owner and Architect. Was brought in from Phoenix to conduct the delay analysis as Senior Consultant. The claim consisted of over 6500 issues via RFIs and other forms of notification. All issues were reviewed and retained in the analysis if deemed pertinent and substantial. Deposition, settled.

Cabrillo Beach Marina, Port of Los Angeles (approximately 11 months) - \$3.7 Million

Claim filed by Crowley Constructors, Inc., for work performed as the water-side contractor on a new \$22 million boat harbor project. I conducted all fact-finding investigation, constructed an as-built schedule and performed a delay analysis, as well as a cost analysis and testified on the basis of our analyses. Retained by Crowley Maritime, Inc. Position was Senior Consultant. Depositions, attended opposing depositions, settled by order of court. Total litigation had lasted over 5-years and cost over original contract amounts. I was brought-in late to try to help bring to conclusion.

Flagstaff High School, Flagstaff, AZ (approximately 4-5 months) - \$4 million

Claim levied by the Contractor, Sletten Construction, on the delays experienced during construction of a new high school. The client was Project Control, on behalf of the Flagstaff School District. Claim mostly dismissed, with small payment. Position Project Manager.

Harvey's Resort Hotel and Casino, Lake Tahoe, NV (approximately 8-months) - \$6 million

Assisted the Contractor, Q & D Construction, research and develop its claim for the work they did on the interior construction/renovation of the hotel's casinos and restaurants. The claim was against the Contractor's architect in a Design-Build Contract for failure to perform and provide an efficient design. Their work product, far beyond the bid scope, caused delays and extra costs to the Contractor, Q & D. Case settled just prior to arbitration hearing. Position was Project Manager. Deposition, settled.

Phoenix International Raceways, Phoenix, AZ (approximately 7-months) - \$750K

We were retained by the steel supplier/erector to develop a claim for delay and extra material cost damages. The steel erector, our client, withheld facts that surfaced under oath in depositions. The case settled, mostly in favor of the owner, due to lies told by our client. It shows that you must be totally open and truthful with your attorney and consultant. Settled.

Pima County Prison, Tucson, AZ (approximately 4-months) - \$600K

We were retained by the mechanical contractor to assert a delay and disruption claim. Case settled just prior to trial. Position was Project Manager. Deposition, settled.

Light Rail Project in Los Angeles, Ongoing Assignment over 1-1/2 years

I was part of the presenting team that won over other major claims firms, such as O'Brien Kretzberg, giving this work assignment to High Point Schaer and allowing the opening of an LA office. I worked out of this office of approximately 1-1/2 years while developing analyses and rebuttals to contractor claims on two subway stations in downtown LA.

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As Vision Consultants

Highschool, Joseph City, AZ

The City, through the high school hired Vision to review what they believed to be “shotty” work and incomplete or incorrect work performed by the general contractor, who refused to fix and/or complete the work. We evaluated the work and created detail reports that were then used to negotiate (mediate) with the contractor and finally reach a settlement. Estimated value was \$1.5 million. Settled.

Major New Toll Road, Orange County, CA through URS Consultants.

Provided delay analysis services to URS Engineers who were the Oversight group to Orange County on the \$870 million plus project to build 17-miles of new Toll Highway. The specific claim I was involved with was the Contractors, a large consortium, claim for delay damages due to an injunction involving a section of the project due to environmental reasons. This was an analysis of the merits of the Contractor’s claim and an evaluation of concurrent delays that might have offset all or part of the Contractor’s delay claim. It also involved the theory of the Contractor’s Right to Early Completion. The Claim was finally settled. I worked on this claim off-and-on for about 13 months.

City of Phoenix Multiple-site Cross-Generation Recreational Facilities

I assisted Forcon Engineers to make a survey and assessment of the asserted deficiencies in the constructed project by Forcon’s client, the general Contractor. I produced a book that evaluated and if possible rebutted the deficiencies asserted by the City of Phoenix. This book was used to negotiate away most of the claims, except for a few which were the contractor’s fault. The plans used for construction were to a great part deficient and ambiguous. Settled.

Yearout Mechanical in Albuquerque, NM Department of the Navy – Trident Motor Storage Facility – Camp Navajo, Belmont, AZ

Lamb Engineering & Construction Co., out of Salt Lake City, UT sued the navy for both Delay issues and direct costs. I was hire by the Arizona USPFO to Analyze and defend the Navy against the Delay portion of the Lawsuit. The delay costs were the major part of Lamb’s claim. Shortly after my analysis and report was delivered to Lamb’s attorney (provided by the bonding company), Lamb’s delay case in its entirety was dropped. This saved the navy further defense costs and exposure to Lamb’s claim cost.

For Mv Employer

City of Santa Fe, NM, Waste Water Treatment Plant

Developed a claim headed for Federal Court based on improper fabrication of major process concrete and epoxy-lined piping, that caused major delays and disruption to the construction of this plant. It also involved improper specifications and review of shop drawings. I acted as both a percipient and expert witness. Supplier went into bankruptcy during litigation. Finally settled for about \$2 million plus removal of previously charged liquidated damages. I was Project

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Manager, having taken over for prior PM who was removed. The collection and analysis of evidence became part of a highly technical and forensic investigation.

[City of Durango, CO, Waste Water Treatment Plant](#)

I assisted the PM and others to develop a large delay and direct cost claim against the City of Durango. It was settled in our favor. Amount unknown.

As An Independent

[Fossil Fuel Power Plant, Mechanical Piping, Grants, NM](#)

I was hired by the supplier and installer of basalt-lined pipe through their attorney in Albuquerque to act as an expert witness to the fact that they supplied and performed the job within industry standards and did not participate in the delays of the project. I did the analysis, was deposed and testified in Federal Court. Decision was almost a 50-50 split decision by the Judge.

EDUCATION/PROFESSIONAL

- **Structural & Mechanical Engineering Degrees** - Washington University - St. Louis, MO
- **Registered Professional Engineer** - Multiple States
- **School of Architecture** - Washington University - St. Louis, MO
- **PMI Member** (Retired member since 1980)
- Member of Oracle University - **Primavera Certified**
- **Webinars** for Turnaround Scheduling
- **Author, Books & Articles, Presenter** at Industry Conferences
- **Papers Presented at** 12 Primavera Conference Papers
- **PMICOS Paper** (Project Management Institute - College of Scheduling)
- **Internet Articles**- 3-years of Monthly Articles on projectcontrols.com
- Various Professional Software Systems:

Oracle Primavera (P6, Risk, CM)	Minjet MindManager
Acumen Fuse	FileMaker Pro Extended
Microsoft Office (Word, Excel, PowerPoint, Publisher, Access, Visio)	Adobe (Photoshop, Illustrator, PageMaker, DreamWeaver, Flash, InDesign, Image Styler)
Timeline Maker	InfoMaker
Roxio	Crystal Reports
Cantasia Studio 7	FoxPro
Snagit 9	dBase

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Dragon Naturally Speaking 11	Windows 2000 - 7Pro
TSQL & SQL 2005 & 2008	JCreator Pro, FrameBuilder, Basic Java
VBA Excel	Microsoft Studio 10