

EPCM Engineers and Consultants Inc. is a multi-disciplined firm of industry experts and consultants. EPCM Inc. specializes in engineering analysis of structure failures, defective construction, construction claims, analysis prevention, preparation, presentation and defense, expert witness testimony, construction management, scheduling and cost control.

EXPERIENCE SUMMARY

Mr. Ough's tenure in the construction industry includes positions with both international and domestic construction and engineering firms and big four accounting firms, as well as expert witness testimony in a variety of venues including the arbitration, mediation and court trial venues. Senior management level positions with several claims consulting and project management firms, including positions as Chief Executive Officer and Chief Operations Officer, have provided Mr. Ough with numerous years of experience on projects, including wastewater collection, pipelines and treatment facilities as well as industrial, detention, residential, and mass transportation construction projects. Mr. Ough has also served as a mediator and on many dispute review boards both on behalf of owners, contractors and A/E firms.

The projects Mr. Ough has been involved with range in value from \$150,000.00 to in excess of \$5B. Representing owners, contractors, and architectural/engineering firms. Mr. Ough has achieved a unique insight on construction related disputes from virtually every perspective that enables him to approach each assignment with complete objectivity.

EXPERT WITNESS EXPERIENCE:

- 1 Expert Witness Heinsburgh Bridge, Alberta, Negotiated Settlement During Arbitration.
- 2 Expert Witness Flyover/Bridge Highway 21 over Trans Canada, Alberta, Settlement During Arbitration.
- 3 Expert Witness Nordegg Spillway and Culvert, Alberta, Settlement During Arbitration.
- 4 Expert Witness/Consultant to Shea/Kiewit/Kenny, Joint Venture on Collapse of the Los Angeles Subway Red Line, Criminal Defense and Affirmative Recovery Claims. Negotiated Settlement.
- 5 Expert Witness for California Department of Corrections on Accelerated Prison Building Program due to ((3) Strikes Criminal Statute)
- 6 Expert Witness, Harris Steel, Toronto, Canada v. Kiewit Constructors. River Mountain Water Treatment Plant.
- 7 Appointed by the State of Texas as the State of Texas's Representative on the Department of Criminal Justice's Disputes Review Board, which adjudicated in a binding fashion, all disputes associated with an aggressive prison building program.
- 8 Expert Witness Consultant on behalf of US Army CID (Criminal Investigating Division). The matter involved the United States V. CCI. This was a criminal fraud case under F.A.R.S., which resulted in conviction at trial. Mr. Ough is admitted before the US Federal Court to Practice as an Expert in the Areas of Delay, Productivity, Design Errors and Omissions, Damages and F.A.R.s (Federal Acquisition Regulations).
- 9 Disputes Review Board Expert, California Department of Transportation, Otay Mesa Crossing.
- 10 Expert Witness Federal District Court, P.W. Construction v. United States of America. Testimony in defense of false claim allegations, critical path scheduling, labor loss of productivity. The project involved the construction of 36 miles of high pressure gas line on Vandenberg Air Force Base. Judgment was entered in favor of client.
- 11 Expert Witness on behalf of Weiss & Budd, Inc., Attorney for Plaintiff, Freeway Project, Court Case. Testimony was on contractor standard of care, delays, labor productivity and change orders related to steel fabrication and detailing. Judgment was entered in favor of client.
- 12 Expert Witness on Contractor Standard of Care, delay and labor inefficiency, cost and entitlement issues on behalf of Attorneys Watt Tieder Killian and Hoffar for H.A Lott. Maximum Security Prison (\$150m). Judgement entered in favor of client.

- 13 Expert Witness on CPM schedule delay impact and Contractor Standard of Care on behalf of H.A. Lott, Inc. concerning (Medium Security Prison-\$30m). Judgment was entered in favor of client.
- 14 Expert Witness, major hospital (UCI) design errors and omissions-based case in Deposition and Declaration. Settlement entered in favor of client.
- 15 Expert Witness for Plaintiff's Attorneys, Quintrell & Parcell, Contractor Standard of Care, Defective Construction, CPM Scheduling, steel detailing and fabrication delays. Judgement entered in favor of client.
- 16 Expert Witness and Consultant, Contract Claims and Public Corruption. Joint investigation with Municipal Law Enforcement and Federal Bureau of Investigation. Resulted in criminal investigations and civil settlement.
- 17 Expert Witness, Wastewater Treatment Plant (Hyperion), Contractor Standard of Care, Delay, Disruption, and Design, Errors and Omissions. Judgment entered in favor of client, inclusive of punitive damages.
- 18 Expert Witness Consultant/Daley Corporation v. California Department of Transportation, Retained by Daley Estate/Trustee. Settlement in favor of client.
- 19 Expert Witness, 35 km pipeline (Alberta), Contractor Standards of Care delay and loss of productivity. Settlement in favor of client.
- 20 Mediation Expert, High School Project Delays (Okotoks, Alberta) on behalf of Contractor. Settlement in favor of client.
- 21 Mediation Expert, Calgary School District. Settlement in favor of client.
- 22 Expert Witness, Sulphuric Acid Silo failure resulting in 8 fatalities for Jacobs Engineering.
- 23 Expert Witness Mediation, on behalf of a Municipality. Settlement in favor of client.
- 24 Guest Lecturer, Construction Management Program, University of California, Los Angeles.
- 21 Featured Speaker, American Society of Civil Engineers Conference "Evidentiary Tools in Construction Disputes" (1985).
- 22 Publication – The Utilization of Critical Path Method Scheduling as An Evidentiary Tool (1995).
- 23 Publication – The Use of Petrographic Analysis in Supporting Property Casualty Claims (1992).
- 24 Press – Los Angeles Business Journal (1985) Los Angeles Times
"David J. Ough conducts Investigation into Lazben Hotel Casino Development"
– Arizona Republic (1992) Mohave Valley Daily News
"David J. Ough Leads Criminal Investigation with FBI into Bullhead City Hall"
- 25 Published Opinion – P.W. Construction (2000) v. United States Re: Vandenburg Air Force Base, United States Federal District Court 9th Circuit.
- 26 Education – Walter Murray Collegiate Institute
– Southern Alberta Institute of Technology, Business Administration, Contract Law

Mr. Ough's experience covers a variety of projects including commercial and major industrial complexes such as:

- Commercial Developments
- Detention Facilities
- Wastewater Treatment
- Mass Transportation and Highway Projects
- Marine Construction
- Water Reservoirs
- Hospital and Hotels
- Institutional Buildings
- Airports
- Manufacturing Plants
- Windmills/Wind Farms
- Industrial Facilities
- Convention Facilities
- Mining and Civil Works
- Office Buildings
- Hydroelectric Plants
- Pipelines & Conveyance

Recent Projects List – Canada JGIC

Project Name:	Approximate Value:	Nature of Engagement:
Walterdale Bridge Edmonton, Alberta	\$1.7 B	<ul style="list-style-type: none"> • Delay and Labour Productivity Analysis
Vancouver International Airport A-B Connector	\$350,000,000.00	<ul style="list-style-type: none"> • Analysis of Disputed Extra Work • Delay and Labour Loss of Productivity • Expert Opinion
Alberta Transportation Highway 63:10 Contract 15035	\$30,000,000.00	<ul style="list-style-type: none"> • Differing Conditions • Delay and Labour Productivity Analysis
Alberta Transportation Highway 63 Mariana Lakes Contract 78110	\$25,000,000.00	<ul style="list-style-type: none"> • Differing Conditions • Delay and Labour Productivity Analysis • Improper Assessment of Liquidated Damages • Expert Opinion • Arbitration Filing (NOD)
Alberta Transportation/Yellowhead Highway 947	\$10,000,000.00	<ul style="list-style-type: none"> • Differing Conditions (Muskeg) • Delay and Labour Productivity Analysis • Expert Opinion
Alberta Transportation Heinsburgh Bridge	\$2,000,000.00	<ul style="list-style-type: none"> • Delay and Labour Productivity Analysis • Expert Opinion • Arbitration Filing (NOD)
Alberta Transportation Bridge Carrying Highway 21 over Highway 16	\$2,500,000.00	<ul style="list-style-type: none"> • Delay and Labour Productivity Analysis • Expert Opinion • Arbitration Filing (NOD)
City of Saskatoon Circle Drive Bridge	\$1.2 B	<ul style="list-style-type: none"> • Delay and Labour Productivity analysis • Negotiated Settlement
Saskatchewan Transportation St. Louis Bridge	\$150,000,000.00	<ul style="list-style-type: none"> • Analysis of Post Tender Design Changes • Delay, Disruption and Labour Loss of Productivity • Negotiated Settlement
Manitoba Infrastructure Pinawa Bridge	\$10,000,000.00	<ul style="list-style-type: none"> • Analysis of Post Tender Design Changes • Delay, Disruption and Labour Loss of Productivity
Highway, and Multiple Bridges 43x Grand Prairie	\$55,000,000.00	<ul style="list-style-type: none"> • Differing Conditions Insitu Soils • Delay and Productivity Analysis • Carbon Tax Dispute

Project Name:	Approximate Value:	Nature of Engagement:
CFB Suffield	\$1,000,000.00	<ul style="list-style-type: none"> • Design Errors and Omissions • Delay • SNC-Lavalin Contract Performance Breach Analysis
Ladysmith Water Treatment Plant Vancouver Island	\$20,000,000.00	<ul style="list-style-type: none"> • Delays Involving Owner Furnished Equipment • Delay Labour Productivity Analysis and Arbitration
Boundary Bay Vancouver Island Water Line and Reservoir	\$10,000,000.00	<ul style="list-style-type: none"> • Delay Involving First Nations Archeological Considerations • Delay Analysis and Damages • Negotiated Settlement
Bridge Replacement Nova Scotia Infrastructure	\$2,500,000.00	<ul style="list-style-type: none"> • Delay Analysis • Negotiated Settlement
Confederation Bridge Northumberland Strait	\$3 B	<ul style="list-style-type: none"> • Represented Prime Contractor on Risk Assessment and Claims from Project Inception to Completion
Road and Infrastructure Improvements Lac La Biche, Alberta	\$5,000,000.00	<ul style="list-style-type: none"> • Delay • Design Errors • Negotiated Settlement
Hwy 2 Nanton Alberta	\$20,000,000.00	<ul style="list-style-type: none"> • Managed Completion of Project for Defaulted Contractor • Prepared Affirmative Recovery Claim
Bridge Culvert Replacement Nordegg Alberta	\$2,500,000.00	<ul style="list-style-type: none"> • Delay and Direct Cost Damages • Expert Opinion • Settled at Arbitration
Alberta Transportation Seebe Bridge	\$2,500,000.00	<ul style="list-style-type: none"> • Analysis of Delay and Disruption as a Result of Endangered Species and Project Shutdown • Negotiated Settlement
Alberta Transportation Parson's Creek Arterial Interchange	\$30,000,000.00	<ul style="list-style-type: none"> • Pre-Contract Risk Analysis for Structural Girder Supplier
Alberta Transportation Bear Creek Bridge	\$15,000,000.00	<ul style="list-style-type: none"> • Analysis of Post Contract Changes, Delay, Disruption and Labour Loss of Productivity
K & S Potash Legacy Potash Mine Saskatchewan	\$2 B	<ul style="list-style-type: none"> • Analysis of Impact of Post Contract Changes Through IFC's • Analysis of Accelerated Schedule for Construction and Cost Impacts • Negotiated Settlement

Project Name:	Approximate Value:	Nature of Engagement:
Manitoba Hydro High Voltage Test Facility	\$150,000,000.00	<ul style="list-style-type: none"> • Analysis of Impact of Post Contract Changes and Contracting Parties Liability • Analysis of Delay, Acceleration, Labour Loss of Productivity • Negotiated Settlement
Greater Vancouver Water District (Metro-Van) Seymour-Capilano Drinking Water Filtration Plant (Largest Water Treatment Plant in Canada) Vancouver, British Columbia	\$750,000,000.00	<ul style="list-style-type: none"> • Impact Assessment • Disputed Changes • Retention and Payment Disputes • Risk Management • Delay • Labour Loss of Efficiency • Constructive Changes • Bonding Issues • Differing Site Conditions • Design Errors and Omissions • Expert Opinion • Negotiated Settlement
Empress Refinery Saskatchewan Spectra Energy Trust CERPRO	\$20,000,000.00	<ul style="list-style-type: none"> • Structural Steel Detailing Delays • Structural Steel Erection Delays • Expert Opinion • Retained by Trustee in Bankruptcy
South Red Deer Regional Wastewater Commission Bowden Innisfail Alignment 20 km (New Pipeline)	\$22,000,000.00	<ul style="list-style-type: none"> • Delay of Owner Furnished Steel • Risk Analysis
Buffalo Pound Bridge Buffalo Pound Lake, Saskatchewan Saskatchewan Highways	\$5,000,000.00	<ul style="list-style-type: none"> • Catastrophic Failure of Bridge Girders • Contract Damages • Designated Expert • Expert Opinion • Negotiated Settlement and Subrogation to Insurance Carrier
Government of Canada New Bow River Bridge Trestles (Girder Delay) Trans Canada Highway Lake Louise, Alberta	\$30,000,000.00	<ul style="list-style-type: none"> • Delay and Labour Loss of Productivity • Unpaid Contract Balances • Design Errors and Omissions • Negotiated Settlement
Garden River Road Wood Buffalo, Alberta Phase III (Roads and Bridges) Alberta Transportation	\$20,000,000.00	<ul style="list-style-type: none"> • Risk Assessment • Time Extension Request • Negotiated Settlement

Project Name:	Approximate Value:	Nature of Engagement:
Wentzel Creek Bridge Wood Buffalo, Alberta Alberta Transportation	\$25,000,000.00	<ul style="list-style-type: none"> • Differing Site Conditions • Design Errors and Omissions • Delay Due to Abutments and Girders • Contract Damages
Garden River Road Phase I (Roads and Bridges) Wood Buffalo, Alberta Alberta Transportation	\$18,000,000.00	<ul style="list-style-type: none"> • Differing Site Conditions • Delay • Contract Damages • Aboriginal Labour Dispute
Highway 779 (Roads and Bridge Culverts) Edmonton, Alberta Alberta Transportation	\$12,000,000.00	<ul style="list-style-type: none"> • Obstructions/Utilities • Delay • Differing Site Conditions • Contract Damages • Expert Opinion • Negotiated Settlement
Highway 770 North Central, Alberta Alberta Transportation (Roads and Bridge Culverts)	\$8,000,000.00	<ul style="list-style-type: none"> • Differing Conditions Excess Excavation • Design Errors • Delay/Labour Loss of Productivity • Contract Damages • Expert Opinion • Negotiated Settlement
Highway 58:06 North Central, Alberta Alberta Transportation (Roads and Bridge Culverts)	\$12,000,000.00	<ul style="list-style-type: none"> • Differing Conditions • Design Errors Delay/Labour Loss of Productivity • Contract Damages
Grande Prairie Trail Yellowhead County, Alberta Alberta Transportation/ Yellowhead County (Roads and Bridge Culverts)	\$8,000,000.00	<ul style="list-style-type: none"> • Constructive Changes • Design Errors • Delay/Labour Loss of Productivity • Negotiated Settlement
Powerhouse Road Phase II (Roads and Bridge Culverts) Brazeau County, Alberta Alberta Transportation/ Brazeau County	\$3,000,000.00	<ul style="list-style-type: none"> • Unreimbursed Contract Balance • Delay/Labour Loss of Productivity • Contract Damages • Negotiated Settlement
Shirley McClellan Waterline Shirley McClellan Water District (20 km Large Diameter Waterline) Central Alberta	\$25,000,000.00	<ul style="list-style-type: none"> • Contract Interpretation • Delay and Labour Loss of Productivity • Contract Damages • Designated Expert and Expert Opinion
Maple Creek School (New School) Maple Creek, Saskatchewan Maple Creek School District	\$20,000,000.00	<ul style="list-style-type: none"> • Design Errors and Omissions • Delay/Labour Loss of Productivity • Contract Damages

Project Name:	Approximate Value:	Nature of Engagement:
Fort St. John Hospital (New Hospital) Fort St. John, BC Fort St. John Regional Health	\$250,000,000.00	<ul style="list-style-type: none"> • Differing Conditions • Design Errors • Constructive Changes • Delay and Extended Overhead, Labour Loss of Productivity • Contract Damages
CNRL – Canadian Natural Resources Horizon Project (Oil Sands) (Foundation) Fort McMurray, Alberta	1.5 B	<ul style="list-style-type: none"> • Delay and Labour Loss of Productivity • Differing Site Conditions/Design Errors and Omissions
Manchester Station Multi-Unit Residential Condominium Project	\$80,000,000.00	<ul style="list-style-type: none"> • Unreimbursed Contract Balances • Delay and Labour Loss of Productivity
Canadian Armed Forces Government of Canada Museum of the Regiments Expansion Calgary, Alberta	\$15,000,000.00	<ul style="list-style-type: none"> • Delay and Labour Loss of Productivity • Unreimbursed Contract Balances • Design Errors and Omissions • Negotiated Settlement
City of Medicine Hat South Boundary Road Sanitary and Storm Sewer Trunks (10 km of Conveyance Lines and New Road)	\$20,000,000.00	<ul style="list-style-type: none"> • Delay and Labour Loss of Productivity • Unreimbursed Contract Balances • Loss of Anticipated Profit • Differing Site Conditions
Catholic School Board Madeleine D'Houet School Calgary, Alberta (New School)	\$5,000,000.00	<ul style="list-style-type: none"> • Delay and Labour Loss of Productivity • Unreimbursed Contract Balances • Design Errors and Omissions • Negotiated Settlement
Union Square LLP New Multi-Unit Residential High Rise Calgary, Alberta	\$150,000,000.00	<ul style="list-style-type: none"> • Delay and Labour Loss of Productivity • Weather Impacts (Winter Work) • Design Errors and Omissions • Expert Opinion • Negotiated Settlement with Opposing Expert
Storesmart Storage Facility Red Deer, Alberta	\$2,500,000.00	<ul style="list-style-type: none"> • Delay and Labour Loss of Productivity • Differing Site Conditions
Boilermakers' Union Union Headquarters Facility Calgary, Alberta	\$1,500,000.00	<ul style="list-style-type: none"> • Delay • Unreimbursed Contract Balances • Labour Inefficiency • Loss of Anticipated Profit
A Splendid Affair Catering and Food Processing Facility Calgary, Alberta	\$1,000,000.00	<ul style="list-style-type: none"> • Disputed Extra Work • Unreimbursed Contract Balances

Project Name:	Approximate Value:	Nature of Engagement:
Petro-Canada Strathcona Refinery Edmonton, Alberta	\$50,000,000.00	<ul style="list-style-type: none"> • Contract Preparation • Negotiation • Risk Avoidance Consulting
Arcus Developments Astoria on Tenth 44 Story Multi-Unit Residential /Mixed Use Project Calgary, Alberta	\$275,000,000.00	<ul style="list-style-type: none"> • Project Default • Delay • Loss of Anticipated Profit • Differing Site Conditions
Prism Developments Bella Casa Mixed Use Multi-Unit Residential Calgary, Alberta	\$50,000,000.00	<ul style="list-style-type: none"> • Delay • Unreimbursed Contract Balances • Labour Inefficiency • Design Errors and Omissions
Ahmadiyya Muslim Mosque (Canada's Largest Muslim Mosque) Calgary, Alberta	\$50,000,000.00	<ul style="list-style-type: none"> • Delay • Labour Inefficiency • Constructive Changes • Design Errors • Unreimbursed Contract Balances • Loss of Anticipated Profit • Diminution of Bonding • Differing Site Conditions
Penn West Energy Trust Leitchville Sour Oil Battery Leitchville, Saskatchewan	\$20,000,000.00	<ul style="list-style-type: none"> • Risk Management • Unreimbursed Contract Balances • Design Errors and Omissions • Delay • Labour Loss of Productivity • Loss of Anticipated Profit • Negotiation and Settlement • Receivership Representative on Construction Claims and Workout for Trustee in Bankruptcy
City of Saskatoon Rosewood Subdivision Phase I Saskatoon, Saskatchewan (10 km Subsurface Utilities)	\$10,000,000.00	<ul style="list-style-type: none"> • Unreimbursed Contract Balances • Liens • Delays • Labour Inefficiencies • Loss of Anticipated Profit
Canadian Roadbuilders Inc. Atcheson Asphalt Plant Edmonton, Alberta	\$20,000,000.00	<ul style="list-style-type: none"> • Delay • Labour Inefficiency • Unreimbursed Contract Balances • Lien Filing

Project Name:	Approximate Value:	Nature of Engagement:
Torode Developments Hotel Arts Mixed Use Addition Calgary, Alberta (New Facility)	\$75,000,000.00	<ul style="list-style-type: none"> • Risk Management • Claims Avoidance
Livingston Place Mixed Use 20 Story Office Building Calgary, Alberta	\$150,000,000.00	<ul style="list-style-type: none"> • Unreimbursed Contract Balances • Delays • Labour Inefficiencies • Disputed Extra Work • Design Errors and Omissions
University of Alberta HRIF East – Phase I Medical Research Facility 10 Story Structural Frame Edmonton, Alberta	\$325,000,000.00	<ul style="list-style-type: none"> • Structural Steel Delays • Labour Inefficiency • Unreimbursed Contract Balances • Constructive Changes • Design Errors and Omissions
Government of Alberta Reesor Lake and Spruce Coulee Dams’ Rehabilitation Cypress Hills Provincial Park, Alberta (New Dam and Roadwork)	\$15,000,000.00	<ul style="list-style-type: none"> • Differing Site Conditions • Variation in Quantities • Delay • Labour Loss of Efficiency • Design Errors and Omissions • Expert Opinion • Negotiated Settlement
Royop Development Corporation Southlands Crossing Retail Centre Medicine Hat, Alberta	\$10,000,000.00	<ul style="list-style-type: none"> • Constructive Changes • Differing Site Conditions • Delay • Unreimbursed Contract Balances
Highway 28:02 Sturgeon Road Edmonton, Alberta (New Road and Bridge Culverts)	\$18,000,000.00	<ul style="list-style-type: none"> • Delay Claim • Expert Opinion
Highway 13 Alberta Transportation New Highway and Bridge Culvert Central Alberta	\$17,500,000.00	<ul style="list-style-type: none"> • Delay and Disruption Claim • Expert Opinion and Presentation • Arbitration Filing
Highway 9 Alberta Transportation Central, Alberta Road, Bridges and Bridge Culverts	\$18,500,000.00	<ul style="list-style-type: none"> • Delay and Disruption Claim • Expert Opinion and Presentation • Designated Expert
Fort McMurray Airport (New Airport Apron) Fort McMurray, Alberta	\$32,000,000.00	<ul style="list-style-type: none"> • Delay and Disruption • Lien • Contract Dispute
Draper Road Alberta Transportation (New Road and Bridge Culverts) North Central, Alberta	\$15,000,000.00	<ul style="list-style-type: none"> • Delay and Disruption • Contract Dispute • Negotiated Resolution

Project Name:	Approximate Value:	Nature of Engagement:
Highway 69 (New Road and Bridge Culvert)	\$12,000,000.00	<ul style="list-style-type: none">• Delay and Disruption• Contract Dispute
Mackay River Bridge New Road Bridges and Approaches Northern Alberta	\$65,000,000.00	<ul style="list-style-type: none">• Contract Evaluation and Risk Assessment

US and International representative projects which Mr. Ough has provided consultation and expert opinions on:

Project Name:	Approximate Value in Dollars:	Nature of Engagement:
Salt Lake Winter Olympic Committee	2B	<ul style="list-style-type: none"> Assessment of Design Errors and Omissions Expert Testimony
Playa Del Rey, CA Dewatering System	200m	<ul style="list-style-type: none"> Design Errors and Omissions
Otay Mesa, CA Highway Border Crossing	6m	<ul style="list-style-type: none"> Delay Defense of Assessment of Liquidated Damages
Eastern Trunk Sewer Phase III & IV	4m	<ul style="list-style-type: none"> Differing Site Conditions Investigation
University of California Davis Medical Center Tower II	80m	<ul style="list-style-type: none"> Design Errors and Omissions
Tuscon Water Reservoir & Pipeline	6m	<ul style="list-style-type: none"> Legal Defense of Defective Construction
Golden Triangle Sewer Line, San Jose, CA	8m	<ul style="list-style-type: none"> Analysis of Subterranean Failure of TBM
A.F. Hawkins Reservoir/Water	7m	<ul style="list-style-type: none"> Delay Analysis and Opinion
John Wayne Airport	60m	<ul style="list-style-type: none"> Take Over Completion on behalf of Bank of America
University of California, Irvine	5m	<ul style="list-style-type: none"> Misc. Contractor Claims
Huntington Beach Medical Facility	10m	<ul style="list-style-type: none"> Delay Claims Analysis
Rancho Santa Margarita	3m	<ul style="list-style-type: none"> Delay Claims Analysis
Chuckwalla Valley State Prison BP-6	150m	<ul style="list-style-type: none"> Complex Design Claim Analysis and Expert Testimony
Federal Building, Los Angeles, CA	4m	<ul style="list-style-type: none"> Investigation on behalf United States Dept. of Justice (Civil)
Ford Mechanical v. Grove, Inc., Clark County School District, Las Vegas, NV	6.5m	<ul style="list-style-type: none"> Delay Claim Analysis
Water Reclamation Plant, Los Angeles, CA	2m	<ul style="list-style-type: none"> Delay Claim Analysis
Lake Forest Playgrounds, Lake Forest, CA	.75m	<ul style="list-style-type: none"> Criminal Investigation Fraud on behalf of Municipality
Blythe Middle School, Blythe, CA	5m	<ul style="list-style-type: none"> Delay Analysis and Opinion
UCSB, Student Housing, Santa Barbara, CA	5m	<ul style="list-style-type: none"> Analysis and Mitigation involving Asbestos Contamination
Joint Outfall "A", Los Angeles County Sanitation District #2	3.5m	<ul style="list-style-type: none"> Critical Path Analysis, and Opinions on Concurrent Delay

Project Name:	Approximate Value in Dollars:	Nature of Engagement:
Eastern Maintenance Station, Caltrans, Los Angeles, CA	1.2m	<ul style="list-style-type: none"> Delay Analysis and Opinion
Caltrans Route 10 Signals and Lighting, Los Angeles	1.8m	<ul style="list-style-type: none"> Fair Market Value Assessment Based on Cardinal Change.
Los Angeles Zoo, Los Angeles	1m	<ul style="list-style-type: none"> Contractor Default and Take Over Analysis
Whittier High School, Whittier, CA	1.2m	<ul style="list-style-type: none"> Design Errors and Omissions Analysis and Opinion
FPL Washington Windmill Installation	10m	<ul style="list-style-type: none"> Risk Assessment and Risk Management
Central Elementary, Baldwin Hills, CA	2m	<ul style="list-style-type: none"> Delay Analysis and Assessment
San Marino High School, San Marino, CA	1.2m	<ul style="list-style-type: none"> Delay Analysis and Opinion
Antelope Valley Community College, Antelope Valley, CA	3.5m	<ul style="list-style-type: none"> Delay Analysis and Opinion
Schwarzenegger Residence – Pacific Palisades.		<ul style="list-style-type: none"> Investigation related to Contractor Default/Fraud Insurance Subrogation and Opinion
Lucent Tech/Turner Const. Office Building, Los Angeles	6m	<ul style="list-style-type: none"> Analysis of Cost Overruns, Opinions and Report
Orange County Municipal Water District and Otay Mesa Water District	3m	<ul style="list-style-type: none"> Analysis and Opinion Design Errors and Omissions and Cost Overruns.
Donald Tillman Water Reclamation	1.2m	<ul style="list-style-type: none"> Analysis of Delay, and Labour Productivity Opinion and Testimony
Unit Tosco Refinery Plant, Long Beach, CA	5m	<ul style="list-style-type: none"> Short Interval Analysis on Critical Plant Shutdown
UCSC Student Housing	25m	<ul style="list-style-type: none"> Analysis and Expert Opinion on Asbestos Contamination
Mission Valley East LRT Ext, San Diego, CA	6m	<ul style="list-style-type: none"> Delay Analysis, Opinion and Testimony
Los Angeles Pipeline	1.2m	<ul style="list-style-type: none"> Analysis of Cost Overruns due to Re-Design
River Mountain Water Treatment Plant	150m	<ul style="list-style-type: none"> Major Investigation into Feasibility of Column Design
Central Elementary School, Balwin Park	2m	<ul style="list-style-type: none"> Delay Analysis, Opinion and Mediation
Van Nuys Elementary School, Van Nuys, CA	2.5m	<ul style="list-style-type: none"> Delay Analysis, Opinion and Mediation
Vacaville Water Treatment Plant, Vacaville, CA	50m	<ul style="list-style-type: none"> Major Construction Defect Investigation and Opinion

Project Name:	Approximate Value in Dollars:	Nature of Engagement:
ABB Geneva, Switzerland	2B	<ul style="list-style-type: none">• Multiple Engagements• Water Treatment Plant Controls
Robinson Prezioso Paris, France	1B	<ul style="list-style-type: none">• Multiple Engagements• Water Treatment Plant Coatings