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EDWARD D. HUGHES

WORK EXPERIENCE

2004-present Construction Consultant

Continue working with Contractors and Sub-contractors on construction disputes, and submission of additional costs for reimbursement.

- Participated in 75 Disputes Review Boards, including 25 as Chairman on projects involving Caltrans, SANBAG and SANDAG
- Consultant to DRB on 2 projects analyzing Time Impact Analysis and CPM.
- Participated in several Arbitrations as an expert witness, analyzing schedules, increased cost due to changes, disruption, inefficiencies and delay issues.
- Participation in 2016 Disputes Review Board Workshop sponsored by DRBF and Caltrans

1998 - 2004 Construction Consultant Murrieta, CA

As a consultant to subcontractors and general contractors I have:

- Attended Disputes Review Board Administration Workshop, April 2002.
- Prepared subcontractor requests for additional compensation on disputed issues.
- Consulted on bid preparation for the removal and replacement of concrete taxiways at Los Angeles International Airport.
- Reviewed and prepared several claims for subcontractors, involving the California Highway Department, "Caltrans," the Corps of Engineers, private developers and General Contractors.
- Reviewed and advised on changes in cost reporting, contract administration and bidding procedures for electrical and landscaping subcontractors.
- Working with several Law Firms preparing a complete analysis of major claims involving delays, disruption, permits, ROW, changes in design, changes in alignment and directed acceleration. The assignments include preparing a detailed daily as-built schedule, a comparison to the base line schedule, developing pricing methods and producing supporting documentation, including draft entitlement packages.

- Expert witness in construction defect lawsuits, representing the Plaintiff, Contractor and Subcontractors.
- Prepared and furnished written reports of findings.
- Testified as expert witness re: damages, scheduling, concrete in arbitration procedures.
- Prepared detailed damages evaluation for a multi-million claim on private work in Los Angeles. Assisted in document discovery, reviewed over 100,000 pages of documents, issue coded documents and assisted in preparation of documents for depositions.
- Prepared several requests for additional compensation on Public Works contracts. Presented claims to Owners' District Board of Review, on behalf of Subcontractors.
- Analysis of damages on several projects pertaining to wrongful termination of contracts.

1998 - 1998 Morrison Knudsen Highland, CA
Vice President: Design/Build

In February 1998 I was assigned the responsibility for the development of design/build/finance projects in the United States. These projects included:

- Hampton Roads, Virginia
- Design/Build in Boston, Massachusetts
- E-470, Phase 2, near Denver, Colorado
- Pier 18, Seattle, Washington
- Power Plant design/build in British Columbia, Canada

My involvement in these projects began with the review of the contract language, communication of proposed changes and additions to the Owner, coordinate the review of financing methods, work with estimating on scheduling and pricing, site visits, coordinate with format for estimate comparisons with our joint venture partners, proposal preparation and submission to Owner. If required met with the Owner to clarify any sections of the proposal.

Continued to be responsible for resolving open claims with Caltrans on completed contracts prior to 1998.

1996 - 1998 Morrison Knudsen Highland, CA
Vice President: California Operations

Responsible for Estimating and Operations for all California projects. The estimating department submitted bids on over \$2,000,000,000 of work. Operations involved approximately 10 projects in excess of \$400,000,000 from San Diego to Oakland. With approximately \$130,000,000 installed each year. The majority of these bids involved highway construction and reconstruction of freeways in Los Angeles, San Diego and Oakland/San Francisco Bay Area. This work also included portions of the "red line" rail project for the Los Angeles Metropolitan Transit Authority (MTA), and construction of a portion of the "metro link" for the Southern California Regional Rail Authority (SCRRA).

1993 - 1996 Washington Holding Company Highland, CA
Vice President: Contract Administration

Kasler and Washington formed a holding company in which my duties remained the same, including my position on the Board as Secretary of Kasler Holding Company.

I continued to work closely with Estimating on major Design/Build projects. I was the responsible manager for the proposal on the Eastern Transportation Corridor project, in Orange County, California with a value in excess of \$700,000,000. The partnership consisted of Kasler, Kajima, Guy F. Atkinson Co. As the manager of the sponsoring partner, our team coordinated negotiations on the contract language, changes clauses, insurance provisions, site conditions clauses, and other contract language issues. We maintained document control, scheduled the project, developed bidding instructions for the Partners, agreed on quantities and reconciled pricing and staffing requirements.

In 1996, led our team in a joint venture with Kiewit and Granite Construction on the Salt Lake City I-15 design/build project. The Kiewit led joint venture was successful. The value of this contract as submitted was \$1,325,000,000. My responsibility was to produce a complete independent estimate, schedule, overhead staffing requirements, and a list of potential contingency issues.

1987-1993 Kasler Corporation Highland, CA
Vice President: Contract Administration/Special Projects

Managed the Equipment, Cost Engineering, Contract Administration and Claims Departments. Responsibilities over these years included: pre-qualification, contract language issues prior to bid, pricing coordination with estimating reconciliation with our partner (Old MK) on the \$800,000,000. Design/Build- San Joaquin Hills Transportation Project.

Resolved contract claim disputes in Texas, Utah, Nevada, Arizona and Colorado, with State Highway Departments and Other Agencies. The settlement value of this effort was approximately \$20,000,000.

1984-1987 Kasler Corporation Highland, CA
Vice President/Secretary, Kasler Corporation

Responsible for the Equipment Department and Contract Administration.

1984-1987 Hunt Constructing Company El Monte, CA
President

Hunt Contracting, a wholly owned subsidiary, was a small (\$3-5 million per year) concrete, sawing, and sealing company. Responsible for all facets of the business.

1983-1984 Kasler Corporation Highland, CA
Division Manager

Hired to implement expansion into heavy construction, primarily dams and powerhouses. Due to out-of-state successes on Highway projects my efforts were redirected towards those projects.

1980-1983 Dillingham Heavy Construction Danville, CA
Vice President: Support Services

Responsible for the overall efficiency of the Equipment Department, participate in bid preparation and developed in house contracts management.

Implemented claims team responsible for strategies and method of presentation of submittal on all major claims, excluding the necessity for court proceedings. Involved in review of project profit forecasts, costs during construction and reviewed CPM updates. Special assignments per the President's instruction.

1977-1979 Dillingham Heavy Construction Washington, D.C.
Project Manager

Dillingham Heavy Construction, (Joint Venture) Owner: WMATA, Washington D.C. Construction Manager: Bechtel Engineering
Responsible for the Equipment Department and Contract Administration.

Total responsibility for a \$77,000,000 underground rail project. This project was for WMATA, in Washington D.C. The project consisted of: 3 underground stations totaling 130,000 cubic yards of drill and shoot excavation; 6,000 tons of structural steel and 40,000 cubic yards of shotcrete; 9 shafts, varying in diameter, and the placement of 70,000 cubic yards of concrete. The project began 6 months prior to my arrival, was behind schedule, and was a concern to management, since we were \$18 million lower than the second bidder. The project required working 3 shifts, 6-7 days per week. At its peak, the labor force approached 500 hourly, and 40 salaried employees. Reorganized staff, delegated tasks, assumed responsibility for communications with the public, managed \$5 million of equipment, responsible for financial planning, cash flows and the "bottom line." Also negotiated with labor unions, prepared, negotiated and settled claims with assistance of staff and outside counsel. Completed without any liquidated damages, and the project was profitable.

1974-1977 Dillingham Heavy Construction Auburn, Ca
Project Engineer Aggregate and Concrete Plant Manager Dillingham Heavy Construction (Joint Venture) Owner: U.S. Bureau of Reclamation.

Auburn Dam foundation and excavation with a contract value of \$90,000,000. Responsible for cost controls, financial reporting, equipment utilization, and CPM Scheduling. Managed an aggregate and concrete plant, operating on a 3shift basis. Aggregate was crushed from excavation, producing 4 inch minus concrete aggregates that were conveyed to a concrete plant that produced 50 degree concrete by use of ice and ammonia refrigeration units. Over 400,000 cubic yards were produced.

1974 Dillingham Heavy Construction Folsom, CA
Project Superintendent, Dillingham Heavy Construction. Owner: U.S Bureau of Reclamation, Folsom, CA.

1974 Dillingham Heavy Construction Walnut Creek, CA
Project Superintendent, Dillingham Heavy Construction. Owner: Caltrans, Walnut Creek, CA.

Responsible for construction for an additional inside and outside lane of existing I-680.

1972-1973 Dillingham Heavy Construction Weed, CA
Project Superintendent, Owner: Caltrans, Weed, CA.

Responsible for field operations. This work included 5,000,000 cubic yards of unclassified excavation. Operation of 500 TPH crushing plant, 400 CY/HR concrete batch plant and 800 TPH CTB Plant.

1970-1972 Dillingham Heavy Construction Lakeport, CA
Project Engineer/Superintendent, Dillingham Heavy Construction Owner: Caltrans, Lakeport, CA.

Responsible for engineering duties, subcontracts, CCO's, budget variances and payments from owner. Managed onsite-crushing plant.

1969-1970 Dillingham Heavy Construction Tracy, CA
Project Engineer Owner: Caltrans, Tracy, CA.

Responsible for all engineering duties including daily, weekly, and monthly cost reports, scheduled subcontractors, ordered materials and other duties as directed

1966-1969 California Department of Transportation Sacramento, CA
Field Bridge Engineer

Inspection of materials, responsible for concrete mix designs on "floating slab" freeway project in Sacramento, Ca.

1964-1966 California Department of Transportation Sacramento, CA
Junior Engineer

Assigned to 2 year training program that included preliminary bridge design, quantity take off, interpretation of plans and specifications and geotechnical investigations.

EDUCATION

1960 - 1964 Lafayette College Easton, PA

BSCCE

1966-1968	Mc George School of Law University of Pacific	Sacramento, CA
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ASSOCIATIONS

California Contractor's license, class "A," inactive
Member of the Board of Directors, Hunt Contracting Company, 1984-1986
Member of the Board of Directors, American Concrete Paving Association, 1986-1988
Secretary of Kasler Corporation, 1984-1994
Member of the Beavers, Inc., a construction organization, 1973-present
Chairman, Beavers charity golf tournaments, 1992-present (2 per year)
Member of Wizardz of AZ, a consulting group in the Phoenix area.