

MICHAEL R. MORRISON

Consultant

Senior Estimator and Value Engineering Facilitator

EDUCATION

Everett Community College and the University of Washington

SUMMARY

Mr. Morrison has over thirty-nine years of successful experience in construction cost estimating, scheduling, cost control, value engineering, developing methodologies, selecting software, recruiting personnel, managing staff, marketing, and managing projects, and providing overall quality control of a technical group of 35 people. He is also an expert in the use of contemporary computer software used of cost estimating, scheduling, and project controls.

The vast majority of Mr. Morrison's experience has been assisting owner's in scope definition, cost estimating, scheduling, and project controls during the design phase of capital construction projects. He is recognized as a Fellow in the Association for the Advancement of Cost Engineering, International (AACEI). He has retained a certificate as a Certified Cost Consultant (which much be granted in three-year increments) continuously since 1997 and the current certification is valid until 2007.

He has participated in over 100 value engineering workshops. He has been responsible for several billion dollars of construction cost estimates.

EXPERIENCE

VALUE MANAGEMENT CONSULTING, INC. 1995-Present

Founder and President of a firm specializing in providing consulting services related to construction. These services include estimating, scheduling, constructability reviews, facilitating partnering workshops, and participating in value engineering workshops, scope definition and decision workshops.

- Worked as a sub-consultant with CH2M HILL several times, and as a member of several value engineering teams: transportation projects, wastewater treatment projects, water treatment projects, and a federal courthouse.
- Member of Independent Financial Review Committee for King County to review the Major League Ballpark to review the construction cost estimate and schedule for the project.
- Provided independent construction cost analysis for a contractor on a highway project.
- Facilitated six partnering workshops: one for a storm water project, and two for wastewater treatment plants; one for a high school remodeling project, two for elementary schools.
- Facilitated two Value Management Workshops, which utilize some VE techniques to assist project owners and designers to reach key decisions at key points in a project's design phase.
- Directed the work of independent experts to review a cost estimate major port expansion project.
- Directed a group of consultants to provide a school district with a constructability review for a high school modernization project, and also for another project, which is an elementary school.
- Facilitated many value engineering workshops for various State of Washington Transportation Improvement Board projects.
- Served as a facilitator for VE studies for school districts; four new schools & five modernization projects.

- Facilitated three Value Management Workshops, which utilize some VE techniques to assist project owners and designers to reach key decisions at key points in a project's design phase.
- Facilitated VE Studies for CH2M HILL as a sub-consultant.
- Served as a VE Team member for several studies led by other people.
- Served as a part-time as the Interim Director for Project Controls for the Washington State Ferry System Terminal Engineering Department, and responsible for the development of a 10-year 750 million dollar capital improvement plan for the state's ferry terminals.
- Currently assisting the Regional Transportation Investment District with construction cost estimate assessments, schedule reviews and project scope reviews. This is a multi-year program of infrastructure improvements in excess of ten billion dollars.

CH2M HILL 1967-1995

Project Manager, Value Engineering Studies 1982-1995

- Successfully produced over 50 value engineering workshops as the team leader for a variety of clients for projects valued at over \$7 billion.
- Contributed to over 15 other value engineering studies in one or more of the following capacities: a technical consultant, cost estimator, scheduler, constructability reviewer, project manager, or assistant team leader.

Project Manager for Construction Cost Estimates for the Department of Energy as a sub-consultant to Gilbert/Commonwealth 1992

- Provided project management and leadership of a team of engineers and estimators deployed to various Department of Energy sites to produce independent cost estimates. This work received commendations from the prime consultant, Gilbert/Commonwealth, and the Department of Energy.

Technical Manager for Construction Cost Estimates for Seattle Metro West Point Project 1988-1991

- Provided technical leadership for a team of estimators who developed detailed construction cost estimates during the design phase of a \$280 million wastewater treatment plant improvement project.

Group Director of Construction Cost Estimating and Scheduling 1976-1990

- Selected and implemented a computer assisted construction cost estimating, and scheduling.
- Co-authored manuals about methods to estimate hazardous waste remediation.
- Provided technical oversight for the cost estimating, scheduling, and cost control for the Milwaukee Water Pollution Abatement Program, a two billion dollar, multi-year program.
- Developed standards, and techniques for quality assurance, and recruited, hired, trained, and supervised a group of construction cost estimators. This team of estimators regularly prepared construction cost estimates for projects estimated at over one billion dollars per year.

Quality Control Field Tester and Construction Cost Estimator 1967-1976

- Worked as a construction cost estimator preparing estimates for a variety of projects, including water and wastewater treatment plants, highways, and other facilities.
- Performed quality control tests at the construction site of the Boeing 747 assembly plant in Everett, WA. during the construction seasons in 1967 and 1968.

PREVIOUS EXPERIENCE 1965-1967

Tracey, Brunstrom, and Dudley 1966-1967

Peter Hostmark and Associates 1965-1966

PROFESSIONAL & EDUCATION AFFILIATIONS

- AACE Int'l – Association for the Advancement of Cost Engineering
 - Certified Cost Consultant (since 1977)
 - Section Founder, Member, & Past Board Member, Currently Past-President of the Seattle Section,
 - Fellow (received in June 1992)
- SAVE Int'l – formerly the Society of American Value Engineers
 - Former Member & Former Board Member of the Seattle Chapter
- Puget Sound Engineering Council
 - Past Board Member and Past-President for umbrella organization of 14,000 engineers and scientists
- Construction Education Foundation at Oregon State University
 - Vice President for Academic Affairs, and Board Member 1982-2000
- Edmonds Community College
 - Commercial Cost Estimating Instructor, Spring Quarter, 1997-2004
- University of Washington
 - Cost Estimating Instructor for Autumn Quarter, 1998 for Construction Management Certificate

SPEECHES AND PUBLICATIONS

Publications

- With Robert B. Edgerton "Electronic Data Interface" Paper presented at the 36th Annual Meeting of the American Association of Cost Engineers, June 30, 1992
- With J. Michael Culpepper "REM IV Cost Estimating Guide" for use estimating hazardous waste projects at CH2M HILL, March, 1987

Many other presentations at AACE, PMI, AGC, Oregon State University, and other organizations on cost estimating, scheduling, cost control, value engineering, and the use of microcomputers.

COMMUNITY INVOLVEMENT

- Holy Family Parish, Kirkland, Past Finance Council Chairman (1990 through 2004)
- Holy Family Parish, Kirkland, Pastoral Council Chairman (2004 through 2008)
- Bellevue Baseball/Softball Athletic Association, Executive Board Member, Sponsor, Coach, and Player (involved 1969 through 1976 and 1989 through 2005)