

DENNIS VAN KIRK

Cost Estimator

EDUCATION

Diploma, Liberal Arts, Yakima Valley College, Washington

QUALIFICATIONS

Mr. Van Kirk has over 45 years of professional experience in project cost management services including cost estimating, change order analysis, value engineering, and constructability reviews. He has extensive experience in all CSI Specification Divisions, ranging from conceptual planning and design through construction and closeout. Projects include pump stations, pipelines, tunnels, treatment plants, power plants, bridges, railroads, transportation systems, aviation complexes, marine structures and outfalls, manufacturing plants, power generation and transmission facilities, laboratories, office buildings, schools, medical facilities, landfills, and underground utilities. His experience includes renovations, remodels, demolition, historic preservation, conversions, additions, hazardous materials remediation, and new construction.

COST ESTIMATING

Water/Wastewater:

As firm-wide coordinator of Cost Estimating Services for Carollo Engineers, Mr. Van Kirk participated in and reviewed the engineer's estimates for the following projects (Not all-inclusive):

- ◆ Washington WTP Clearwell No. 2 - City of Everett
- ◆ Tualatin Valley Water District – Proposed Pipelines and River Intake
- ◆ WWTP Expansion - City of Eugene, Oregon
- ◆ Brightwater WWTP Recycled Water Facilities - King County, Washington
- ◆ Wastewater Treatment Plant - Camarillo, California
- ◆ Eastern Municipal Water District, California, Perris Valley Regional Water Reclamation Facility Tertiary Expansion
- ◆ John Jones Water Treatment Plant - City of Tracy, California
- ◆ Northwest Wastewater Treatment Plant Expansion - City of Springfield, Missouri
- ◆ Temecula Valley Regional Water Reclamation Facility - Eastern Municipal Water District, California
- ◆ Industrial Wastewater Treatment Plant - City of Tulare, California
- ◆ Hemet Water Filtration Plant Design - Eastern Municipal Water District, California
- ◆ Wastewater Treatment Plant Improvements - City of Benicia, California
- ◆ Fluoridation Facility - Santa Maria, California
- ◆ Cater Water Treatment Plant – City of Santa Barbara, California
- ◆ California Department of Corrections & Rehabilitation, Deuel Vocational Institution MBR Wastewater Treatment Plant.
- ◆ California Dept. of Corrections & Rehabilitation, Water System Evaluation - Calpatria State Prison
- ◆ Various WWTP Expansion projects - City of Roseville, California
- ◆ F.E. Weymouth Water Filtration Plant Oxidation Retrofit Program - La Verne, CA
- ◆ WWTP Expansion, including riverine outfall - Salem, Oregon

ESTIMATES PERFORMED WITH OTHER FIRMS:

- ◆ Cost estimator for proposed digester rehabilitation at the Hyperion Wastewater plant in Los Angeles, California. Work included replacement of interconnecting pipelines in galleries beneath the

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- ◆ Lead estimator and estimate reviewer on the City of Portland, Oregon, Bureau of Environmental Services CSCC project. Major project elements included a large-diameter tunnel for combined sewer overflow (CSO) conveyance and storage. (C3MG)
- ◆ Lead cost estimator for the Portland, Oregon, West Side CSO Project 35-percent design. Project included a large-diameter tunnel, vertical shafts, and a large, deep pumping station on Swan Island. (C3MG)
- ◆ Lead estimator for the 5 Denny Way CSO projects in Seattle, Washington. Work included a large diameter tunnel, pumping stations, marine outfall, conveyance lines and a major CSO control facility. For the same client, the Henderson CSO Projects, consisting of pipelines, large diameter tunnel and pumping facilities. (C3MG)
- ◆ Cost estimator on the city of Portland, Oregon, Bureau of Environmental Services Columbia Boulevard Wet Weather Pump Station project. Estimating work included conceptual, budgetary and final estimates; value engineering team participation; and cost support. (C3MG)
- ◆ Lead cost estimator for the West Point Municipal Wastewater Plant, King County, Washington. This large plant had construction costs in excess of \$300 million. Major site work issues included poor soil conditions and restricted access. Estimating work included conceptual estimates, value engineering team participation and cost support, budgetary estimates, final estimates, and change order estimates. (CH2M Hill)
- ◆ Cost estimator for the base infrastructure facilities at the Kodiak, Alaska, Coast Guard Base. Projects included water transmission and wastewater conveyance pipelines, pump stations, a water treatment facility at Buskin Lake, a wastewater treatment plant, and a marine outfall. Estimating work included conceptual, budgetary, final, and change order estimates. (CH2M Hill)
- ◆ Cost estimator for conceptual and budget level estimates for selecting alternatives on the proposed replacement of AC sewer lines in lake Washington at the North end of Mercer Island. (C3MG)
- ◆ Cost estimator for a municipal wastewater plant and conveyance system for Bremerton, Washington. The project consisted of the wastewater plant, pump stations and pipelines, and a marine undercrossing of Port Washington Narrows. Estimating work included conceptual, budgetary, final, and change order estimates. (CH2M Hill)
- ◆ Cost estimator on the Post Point Wastewater Treatment Plant in Anacortes, Washington. The project included demolition of existing facilities and the construction of conveyance pipelines and an influent pumping station. Estimating work included conceptual, budgetary, and final estimates. (CH2M Hill)
- ◆ Cost estimator for infrastructure facilities for the City of Centralia, Washington. Projects included downtown interceptor and collection sewer pipelines, a major caisson-type pumping station at Borst Park, rehabilitation of existing digesters, new clarifiers, and sludge drying beds. Estimating work included conceptual, budgetary, final, and change order estimates. (CH2M Hill)
- ◆ Cost estimator on the Pole Bridge Creek wastewater treatment plant near Atlanta, Georgia. Major project elements included a headworks, primary and secondary clarifiers, aeration basins, flow measurement, and effluent pipelines. Estimating work included budgetary and final estimates. (CH2M Hill)
- ◆ Cost estimator for the Marine Park Water Reclamation Facility in Vancouver, Washington. Major project features included an influent pump station, a screening/grit handling facility, primary and secondary clarifiers, aeration basins, auxiliary power generation, and operator laboratory facilities. Estimating work included conceptual, budgetary, and final estimates. (CH2M Hill)

Power Generation:

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- ◆ Cost Estimator, Change order services during construction of the Terre Haute Electrical Cogeneration Plant - Terre Haute, Indiana (PSI Energy, Now CINERGY)
- ◆ Cost Estimator, Kingsley Hydroelectric Power Project - Lake Ogalalla, Nebraska. A 50MW vertical turbine in the stilling basin at the foot of an earth-fill dam. (CH2M Hill)

Transportation:

- ◆ Cost Estimator, Sound Transit Light Rail Maintenance Facility - Tacoma, Washington (C3MG)
- ◆ Trident Railway, Trident Nuclear Submarine Base - Silverdale, Washington (CH2M Hill)
- ◆ Conceptual estimates for a Coal Port and 200 mile railway - Za Fraana, South Africa (CH2M Hill)
- ◆ Nestucca River bridge replacement - Oregon (C3MG)

Marine Projects CH2M Hill:

- ◆ San Francisco Bay Outfall - East Bay Municipal Water District
- ◆ Ocean Outfall for a private food processor - Pago Pago, South Pacific
- ◆ Port Washington Narrows Pipeline Crossing - Bremerton, Washington
- ◆ Terminal 46, D.U. No. 1 Transtainer Facility - Port of Seattle, Washington
- ◆ Homer Dock Expansion - Homer, Alaska
- ◆ Point Roberts Marina - Point Roberts, Washington

Architectural Projects C3MG:

- ◆ Camas Middle School, Camas, WA
- ◆ Denny Way CSO Control Facility, Seattle, WA
- ◆ Conceptual estimates for the proposed Rental Car Garage facility at SEATAC International Airport, SEATAC, WA
- ◆ Sound Transit Light Rail Maintenance Facility, Tacoma, WA

Value Engineering Team Member:

- ◆ Brightwater Wastewater Treatment Plant - King County, Washington
- ◆ Sandy Storage Facilities - Portland, Oregon
- ◆ Wastewater Treatment Plant Improvement - Crescent City, California
- ◆ Bull Run Water Intertie - Portland, Oregon
- ◆ Bull Run Stilling Basin Rehab - Portland, Oregon.
- ◆ Columbia Boulevard 125 MGD Influent Pump Station - Portland, Oregon.
- ◆ City of Portland Wellfield Improvements - Portland, Oregon
- ◆ Wet Weather Pump Station - Portland, Oregon
- ◆ Ankeny Pump Station - Portland, Oregon
- ◆ Grant's Pass Master Plan Liquids Stream - Grants Pass, Oregon
- ◆ Grant's Pass Master Plan Solids Stream - Grants Pass, Oregon
- ◆ U.V. Sterilization Process, LOTT Plant - Lacey, Washington
- ◆ West Point Wastewater Treatment Plant - Seattle, Washington
- ◆ Kenmore Interceptor - Kenmore, Washington
- ◆ Kennewick Wastewater Treatment Plant Upgrades - Kennewick, Washington
- ◆ Wastewater Treatment Plant – Newport, Oregon
- ◆ North Creek Pump Station - King County, Washington
- ◆ Coulee Dam Pipeline Rehab - U.S. Bureau of Reclamation

AWARDS

- ◆ Charles V. Keane Award for Distinguished Service, Association for the Advancement of Cost Engineering International, 1995
- ◆ Excellence in Publications Award, Association for the Advancement of Cost Engineering International, (AACEI), 1983
- ◆ AACEI Honorary Life Membership Award, 2009

PUBLICATIONS/PRESENTATIONS

- ◆ “The Unknown Cost Engineer,” Cover, Cost Engineering Magazine, Volume 25, No. 4. July 1983
- ◆ “Cost Estimating Standards,” Carollo Internal Document, 2002
- ◆ “Cost Estimating in a Fluctuating Market” AWPCA Annual Meeting, Mesa, AZ 2006, JTAC/AWWA , Denver, CO, 2007
- ◆ “Introduction to Cost Estimating” 0.3 CEU’s. 2005, Carollo CTEC Course No. 3
- ◆ “Why Change Orders Cost More,” Carollo Internal Document, 2005
- ◆ “Contingency - What is it? How Much Should You Use?” Carollo Internal Document, 2004
- ◆ “Talking to Vendors,” Carollo Internal Document, 2003

CERTIFICATION/REGISTRATION

- ◆ Certified, Engineering Technician, Architectural Engineering Technology, National Institute for Certification in Engineering Technologies, (NICET) 1972
- ◆ King County SCS Certification No. 760
- ◆ Registered - Washington State Veteran’s Affairs (Veteran-Owned Business).

PROFESSIONAL AFFILIATIONS

- ◆ Honorary Life Member, Association for the Advancement of Cost Engineering International (AACEI), President, Oregon Section, 2009-2010
- ◆ Society of American Value Engineers (SAVE)