

TIME=\$, LLC

"Construction Scheduling Services On Time On Budget"

Clyde Wachi

PROJECT CONTROLS / SCHEDULING ENGINEER

2153 Halakau Street

Honolulu, Hawaii 96821

Office: (808) 377-5852 Cell: (808) 265-0007

Email: Clyde.time@hawaiiantel.net

SUMMARY

Mr. Wachi is a resident of Hawaii with over 40 years of comprehensive experience in all phases of major construction projects including: project scheduling and analysis, pre-construction planning, project engineering, constructability reviews, contract administration, quality assurance, change order review and negotiations, cost estimating and control, and claims resolution. He has been associated with and responsible for a variety of heavy, industrial, commercial and building construction projects. Knowledgeable in a variety of scheduling software and construction scheduling techniques, he has prepared schedules and scheduling consulting services for numerous construction projects and trained and supervised scheduling engineers. He provides construction management services, construction claim analysis, schedule analysis, and construction defects evaluations.

PRIOR WORKING EXPERIENCE

2010 to 2020

Swinerton Builders, Hawaii Division Senior Scheduler

Involved in project pursuits, preconstruction, construction management services, and time impact schedule analysis. Some notable projects that he has worked on are as follows:

- Kalakaua Gardens – Skilled Nursing Care
- Queen Emma Building Renovation (\$21 Million)
- Hale Kewalo Condominium (\$34 Million)
- Westin Maui (\$63 Million)
- Nohona Hale – Cooke Street (\$34 Million)
- Campbell High School Additions (\$33 Million)
- Solomon Elementary School (\$77.5 Million)
- Waikiki Aqua Guestroom Renovations (\$30 Million)
- Bloomingdales – Ala Moana (\$30 Million)
- Prince Jonah Kuhio Kalaniana'ole (PJKK) Federal Building and Courthouse (\$80 Million)
- Kaiser Moanalua Ancillary Building, Moanalua Renovation (\$80 Million)
- Waikiki Trade Center Renovation
- Target Ala Moana (\$14 Million)
- Target Kahului (\$20 Million)
- Aqua Waikiki Wave (\$30 Million)
- Macy's Kapolei (\$16 Million)
- Kalakaua Gardens
- Hilton Garden Inn Renovation (\$80 Million)
- Hawaii Pacific College – The Aloha Tower Lofts Project
- Kamehameha Schools – Community Learning Center
- Turtle Bay Room Renovation
- Hawaii Tokai University Campus (\$27 Million)
- UH West Oahu Administration And Allied Health Facility (\$30 Million)
- Hale Kewalo Hotel Renovations (\$34 Million)

2006 to 2010

DCK Pacific Construction, LLC (Dick Pacific Construction, INC.)

Involved in project and construction management services, and schedule analysis. Some notable projects that he has worked on are as follows:

- Hawaii Regional Security Operations Center – HRSOC (in excess of \$330.0 million)
- Hilton Hawaiian Village H.G.V.C Grand Waikikian Tower (in excess of \$200.0 million)

1999 to 2006

HERBERT CHOCK & ASSOCIATES, INC.

Involved in project and construction management services, construction delay claims, and schedule analysis. Some notable projects that he has worked on are as follows:

- Replace 212 Family Housing Quarters, USMC Kaneohe (\$48.5 million)
- USCINCPAC HQ21 Camp Smith Headquarters Transition Task Force
- Marriot's Waiohai Beach Club Resort Construction (\$40.0 million)
- Hawaiian Regent Hotel Guestroom Renovation (\$15.0 million)
- Peninsula At Hawaii Kai – Buildings & Roads (in excess of \$150.0 million)
- Colony At Hawaii Kai – Building Nos. 6, 7, and 8 (in excess of \$90.0 million)
- Wailuku Parkside – Buildings & Roads (\$15.7 million)
- Wailea Fairway Villas – Buildings (\$14.0 million)
- Wailea Fairway Villas – Site work & Roads (\$3.0 million)
- Wailea Fairway Villas – Recreation Center (\$0.5 million)
- Wailuku Project – Site work & Roads (\$40.0 million)
- Primavera Project Planner Software Training of U. S. Army Corps Of Engineers
- Primavera Suretrak Software Training of U. S. Navy Pacific Division - PACNAVFACENGCOOM

1997 to 1999

O'BRIEN KREITZBERG

Involved in project and construction management services, schedule analysis, construction claims analysis, and Primavera (P3) marketing and training. Some notable projects that he has worked on are as follows:

- USPO: Honolulu Waialae-Kahala; Roof Replacement & Structural Repair
- USPO: Design/Build New Construction Owned Honolulu, Hawaii - Carrier Annex
- TAMC Ambulatory Care and Renovate E-Wing, Phase II (\$12 million)
- Public Baths Force Main Replacement, DWWM (\$3.8 million)
- Kahaluu Sewers Section 4, DWWM (\$4.0 Million)

1987 to 1997

HERBERT CHOCK & ASSOCIATES, INC.

Served as the Vice-President and Project Manager for this Honolulu-based construction consulting firm until the company merged with O'Brien Kreitzberg. Primary responsibilities were providing project scheduling, construction management, and construction consultation services for new and ongoing projects. I was involved in dispute resolution and construction claims using CPM scheduling impact and delay analysis.

From 1990 to 1994 was the scheduling consultant working under SSF&M, the project designer/project manager for the Aloha Stadium Renovation Projects (\$100 million). Responsible for drafting CPM scheduling specifications and review/approval of all contractor schedule submittals and updates. This 50,000 seat steel structure literally had to be taken apart, sand-blasted, treated, and put back together. Time was critical since construction operations for each phase had to be completed in time for the stadium to open for football season.

Developed prototype model and upon its approval, implemented it into a comprehensive Master Schedule along with a Primavera Project Planner/Suretrak software training program for the City and County of Honolulu for all of its planned and on-going Department of Wastewater Management Capital Improvements Projects (in excess of

\$4 billion).

Other noteworthy projects involving project scheduling, construction consulting, and claim analysis are as follows:

- Kwajalein Island Projects (\$60 million)
- Wailea Point Condominiums (\$60 million)
- Four Seasons Wailea Hotel (\$80 million)
- Halawa Medium Security Prison (\$40 million)
- Lihue Airport Terminal (\$40 million)
- Wailuku River Hydroelectric Project (\$12 million)
- Pan Pacific Plaza (\$80 million)
- River Nimitz Housing Project (\$14 million)
- Courtyards of Punahou (\$30 million)

As Primavera's island distributor, Mr. Wachi was also responsible for marketing scheduling software and coordinating the training of new P3 and SureTrak users; Primavera software (P3) was used on for all the projects listed above.

1983 to 1987 HAWAIIAN DREDGING CONSTRUCTION COMPANY

Senior Scheduling Engineer – Involved in both the construction and bid development phases for projects in the Heavy, Industrial, Commercial and Building Divisions involving One Waterfront Plaza, Royal Hong Kong Jockey Club Grandstand No. II (Hong Kong), Seibu Makena Hotel, Lahaina Waste Treatment Plant, Lahaina Health Center, Castle Hills subdivision, Waipahu Knolls Phase I & II, Paiea Sewage System, and Honoapiilani Highway projects.

Construction bid involvement in the OTEC, Deepwater Cable, Wainiha Hydroelectric, Tripler Medical Army Hospital Package III, Mass Rapid Transit contract bid no. 105A and 103 (Singapore), Ralston Purina Cannery Renovation bid proposal (Samoa), Macau Ferry Terminal Bid (Hong Kong), Capital Complex (Pohnpei), SOHIO Headquarter Building (Alaska), Pali Momi Hospital, Halawa Medium Security Prison, and Kaiser Medical Clinic.

1981 to 1982 M.A. MORTENSON COMPANY

Tripler Army Medical Center – New Addition Wings F, G, & H and Renovations of Existing Wings. (\$80 million)

Project Scheduling Engineer – Tripler Army Medical Center (in excess of \$80 million). Responsible for scheduling, developing, and maintaining the critical construction turnover dates including evaluation and monitoring of actual field production data and progress billings.

1980 to 1981 HAWAIIAN DREDGING CONSTRUCTION COMPANY

Project Scheduling Engineer – Worked on Heavy Construction Division projects (in excess of \$75 million), Honouliuli Wastewater Treatment Plant and Central Pacific Bank Building. Coordinated the scheduling and impact analysis for the Waikakalau Bridge delay claim.

1978 to 1979 MASTER PLANNING/COST ANALYST - MATTEL, INC.

Developed and monitored production goals and made necessary adjustments based on continually changing marketing information, manufacturing capacities and material limitations for foreign and domestic subsidiaries. Product responsibility in excess of \$30 million.

EDUCATION

University of Hawai'i, Manoa – B.A. in Business Administration with a Major in Accounting, 1976

CLYDE WACHI
EXPANDED INFORMATION

Kaiser Moanalua Ancillary Building, Moanalua, Hawaii:

The renovation includes a refurbishment of 158,000 SF of space and the addition of more than 80 patient beds, family waiting areas and state-of-the-art patient care technologies. The six-story, 158,000 SF Ancillary wing holds various departments and functionalities that include intensive care unit, surgical suites, medical surgery beds, and administrative spaces. Additions to the Ancillary wing will include 16 private rooms in the neonatal intensive care unit, a family waiting area on every patient-care floor, 28 new intensive care rooms, 40 new and renovated inpatient rooms, a meditation room, and an outdoor garden lanai with seating and shading for patients and staff.

Prince Jonah Kuhio Kalaniana'ole (PJKK) Federal Building and U.S. Courthouse, Honolulu, Hawaii:

Modernization and renovation from funding made available to GSA (General Services Administration) through the American recovery and reinvestment Act of 2009 (ARRA 2009). Full modernization, renovation, and construction of the 9-story Federal Building and 5-story U.S. Courthouse with a complete comprehensive replacement of the core mechanical, electrical, life-safety, and plumbing infrastructure with an additional goal of attaining LEED Silver. Other repairs and alterations will include replacement of most of the air cooling and circulation systems, major upgrades to the electrical power systems, new ceilings and lighting, and improvements for disabled people to access areas of the building. Construction was completed while campus is fully operational, security clearance, and with a detailed phasing and scheduling plan.

Hawaii Regional Security Operations Center – HRSOC, Wahiawa, HI (in excess of \$330.0 million)

Senior Scheduling Engineer for DCK Pacific in overall construction planning and oversight of the project. Responsible for the NAS scheduling requirements, including processing the payment request, change order evaluation and negotiation, site inspection, and the evaluation and monitoring of field production. The project consisted of a combination of design build and bid for the site development and construction of access roads, sitework, main Operation Building, ancillary buildings, and parking.

Hilton Hawaiian Village H.G.V.C Grand Waikikian Tower, Honolulu, HI (in excess of \$200.0 million)

Senior Scheduling Engineer for DCK Pacific in overall construction planning and oversight of the project. The project consisted of the construction of a new 39 floor tower, Grand Parlor, and lobbies, and water park.

N62742-02-C-1313: Replace 212 Family Housing Quarters, USMC, Kaneohe, Hawaii (\$48.5 million)

Scheduling consulting services included development, conformance, updating of the NAS Program requirements, delay analysis, and time extension analysis. The project consists of the **EXPANDED INFORMATION continued**

master planning, design, construction, and phasing for the development of 212 residential housing residential units in USMC Air Station, Kaneohe, Oahu. The project consisted of the construction of the civil sitework and road infrastructure, family residential, house buildings.

USCINCPAC HQ21 Camp Smith Headquarters Transition Task Force, Camp Smith, HI.

Scheduling consulting services included development and updating of the Detail Program Schedule, Master Program Schedule, Executive Level Schedule, incorporation of key transition elements and dependencies including five primary sub-schedules from various contractors.

Capital Improvement Program Master Scheduling and Database Project, C&C of Honolulu DWWM, Honolulu, HI (\$4.0 billion)

As project manager coordinated with the owner (Department of Wastewater Management) to develop a prototype model of masterplan and to setup the initial production model utilizing CPM and Primavera Project Planner (P3) to update and track their Capital Improvement Projects. This involves developing a customized developed Network Analysis Program (NAS) program to replace their manual scheduling program tracking over 400 projects and \$4 billion in capital improvement projects; provide training, and updating services.

EXPANDED INFORMATION *continued*

Peninsula at Hawaii Kai - Building, Sitework, Recreation Center, Honolulu, HI (in excess of \$150.0 million) and Colony at Hawaii Kai – Building Nos. 6, 7 and 8, Honolulu, HI (in excess of \$150.0 million)

Providing construction consultation, cost, scheduling, planning, estimating, and oversight services to the master developer of this project. The project consists of the master planning, design, construction, and phasing for the development of prime residential and commercial land parcel in Honolulu, Oahu. The three projects consisted of the construction of the civil sitework and road infrastructure, single family residential, townhouses, and condominium buildings.

Hawaiian Regent Hotel Guestroom Renovations, Honolulu, HI (\$15 million)

Providing scheduling and construction consulting services in the preparation of the project schedule and impact analysis. The project consists of a fast track, time sensitive phased renovation of the guestrooms on 22 floor levels to be constructed within eight months with a emphasis on the scheduling control of the hotel's FF&E requirements and installation schedule.

Aloha Stadium Renovation and Corrosion Protection, HI (\$100 million)

Project Scheduling Manager in the renovation and steel corrosion repair project of the Aloha Stadium (seating capacity of 50,000) involving 24 hour steel retrofit, welding, sandblasting, and special paint coating applications during a phased 6-month construction window for each year while the stadium continued its normal operations.

Responsibilities involved constructability and feasibility assessments, pre-construction planning, bid specification development, change order reviews, charged with monitoring, and analysis of the contractor's actual field production operations. Other activities included review and approval of contractor submittals, site inspections; and involvement in the coordination and negotiation activities between owner, designers, construction managers, contractor, and subcontractors.

Wailuku Project, Wailuku, Maui, HI (\$41.5 million)

Providing construction consultation, cost, scheduling, planning, and estimating services to the master developer of this project. The project consists of the master planning and phasing for the development of this prime residential and commercial land parcel in Maui. I was involved the coordination of the various parties in the planning, phasing, and cost feasibility analysis of the necessary construction site work improvements such as roads, utilities, and associated infrastructure.

Marriot's Waiohai Beach Club Resort, Waiohai, HI (\$40 million)

Providing scheduling and construction consulting services in preparation of the project schedule and updating analysis. The project consists of a fast track, time sensitive phased construction of the guestrooms on eight building and supporting infrastructure to be constructed.

One Waterfront Plaza, Honolulu, HI (\$80 million)

Assisted the Project Manager for Hawaiian Dredging & Construction Company. Responsibilities during the construction phase included inspection, production monitoring, change order review, and managing project billings systems for seven buildings and a central plant, within a tight 15 month phased completion contract. Responsibilities included project master planning, schedule setup, and administration of the NAS requirements during the pre-construction and construction phases.

Tripler Army Medical Center - New Addition Wings F, G, & H and Renovations of Existing Wings, Honolulu, HI (\$80 million)

Project Scheduler for M. A. Mortenson Company in overall construction planning and oversight of the project. Was responsible for the NAS scheduling requirements, including processing the payment request, change order evaluation and negotiation, site inspection, and the evaluation and monitoring of field production.

Tripler Army Medical Center - Ambulatory Care And Renovation of E-Wing, Phase II, Honolulu, HI (\$12 million)

As required by the contract specifications, Mr. Wachi was approved as the Contractor's CPM (scheduling) Consultant by the Veterans Administration. His duties involved assisting the contractor in the setting up and conformance of its CPM schedule to the contract NAS requirements.

EXPANDED INFORMATION *continued*

Wailuku Parkside, Wailuku, Maui, HI (in excess of \$15.7 million)

Provided oversight services for the developer. The project consisted of the construction of the civil sitework and road infrastructure, 116 single-family homes and model units.

Wailea Fairway Villa - Building, Sitework, Recreation Center, Wailea, Maui, HI (in excess of \$17.5 million)

Provided project engineering, scheduling, and oversight services for the Owner and Construction Manager. The three projects consisted of the construction of the civil site work and road infrastructure, 24 buildings consisting of 118 condominium units, and a recreation center complex.

United States Postal Service (USPO): Honolulu Waiialae-Kahala; Roof Replacement & Structural Repair Contract No. 052571-98-B-0047 (\$0.5 million)

Provided construction oversight and consulting services for the USPO during the construction phases. This project consisted of structural repairs to the concrete beams throughout the building and a comprehensive re-roofing of the building upper level concrete topped parking deck while the USPO was in operation

United States Postal Service (USPO): Design/Build New Construction; Owned Honolulu, HI - Carrier Annex, Contract No. 052571-97-B-0110 (\$4.4 million)

Temporary assigned to provide project inspection and construction management services during the initial construction startup of the project. This project consisted of our construction management responsibilities overseeing the design/build contract of a new carrier building complex from the initial design phase through its construction phase.

Public Baths Force Main Replacement, Honolulu, HI (\$4.5 million)

This project is to install a force main utilizing a microtunneling system. As Project Manager, his duties include the coordination between the owner and contractor. His other duties involved submittal reviews, pay request processing, change order processing, public relations, CPM schedule reviews, and other construction management responsibilities.

Institute of Human Service (IHS) Homeless Shelter Renovation, Honolulu, HI (\$1.4 million)

Served as Project Controls Engineer and was responsible to provide coordination between the owner, architect, government funding agencies (City and State), site inspections, submittal review, process payment request to funding agencies, change order processing and other duties as owner's representative for a two-story concrete structure renovation.

Kawaihae Small Boat Harbor, Corps of Engineers, Kawaihae, HI (\$4.1 million)

Assisting the general contractor as a scheduling consultant to be its liaison with the COE to generate the monthly progress updates and payment requests to conform to the Corps of Engineer's NAS requirements..

Primavera System Sales and Consulting (1988 to Current)

Currently Mr. Wachi is managing the Primavera Systems sales of this popular construction CPM scheduling and project management software programs. Herbert Chock & Associates, Inc. is a Primavera dealer in the State of Hawaii. In addition to the Primavera System sales, Mr. Wachi has provided scheduling consultation services for many projects over the years since 1987 for both software applications and practical scheduling solutions for both construction projects and construction claims.

Alii Plantation Condominium - Construction Defects and Repairs, Aiea, HI (\$1 million)

Project manager for the development and investigation and identifying construction defects, design of the repair methods, bid tendering, and coordination of repairs of construction defects for 152 condominium units. Provided expert witness testimony during the mediation. Developed and coordinated the construction preplanning and construction phases on between the Board of Directors of the Condominium Association, unit owners, and contractor.

Kauai Resort Hotel Renovation (\$4 million)

Conducted schedule development, schedule updating analysis, change order impact analysis, and construction management services on behalf of K. Shioi Contracting (general contractor). Responsibilities included the coordination between the owner, hotel, contractor, subcontractor; and the development and monitoring of the project schedule, site inspections, weekly field meeting, and submittal reviews.