



U.S. Army Corps
of Engineers
Honolulu District

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The Pacific Connection



Commander's Comments

Another mid-year is upon us, the operational tempo remains high and we are reaping the rewards of our hard work. Our relevance to Hawaii, the region and the nation continues to amaze me and impress our stakeholders.

The District just passed our ISO 9001:2000 Re-Certification Audit with flying colors. This means that we continue to operate in a manner that provides measurable, consistent and outstanding support to our customers. The goal of ISO 9001:2000 and the Honolulu District is continual improvement – and that is exactly what I see every day.

Prime examples of our successes are the recent awards of some highly important contracts. These include the C-17 Bed-down: the FY04 Expand Strategic Airlift Ramp, the FY05 C-17 Clear Water Rinse Facility, the FY07 C-17 Roads Restoration and the FY07 C-17 Fuel Cell Nose Dock. The award of additional funds for the existing indefinite delivery indefinite quantity (IDIQ) contract for work at Waikoloa FUDS will ensure the continuation of that vital program.

In addition, the District is performing outstanding work in:

- Outreach to our Partners and Sponsors: A good example is the recent Corps Workshop at the Hale Koa.
- Army and Air Force MILCON: Our continuing success with Whole Barracks Renewal (the recent Quad C Ribbon Cutting), the ongoing C-17 Beddown projects and support for Army Modularity.
- Civil Works: Kaunalapau is on track and the Hawaii Dam Break Studies are progressing well. These Civil Works projects, and many others, provide direct benefits to our fellow citizens in Hawaii.

In this issue of the Pacific Connection, you will read how Corps representatives have participated in ribbon cuttings and ground breakings for: the USAKA (Kwajalein) Vehicle Repair Shop; the C-17 Hot Cargo Pad at Hickam AFB; the Route 1 Reconstruction & Shoreline Protection - Phase V, Faganeanea to Nuuuli project on American Samoa; plus a worksite/project blessing for the Relocatables Project at Ft. Shafter.

You will also read about a great Civil Works milestone in the 25th Anniversary of the Kaneohe-Kailua Dam / Ho'omaluhia Botanical Garden project. This project is a model of Corps and local sponsor partnership and it provides a world-class recreation area and botanical garden while protecting the lives and property of local residents.

And we're about to cross another milestone when the majority of our District employees phase into the National Security Personnel System. Patience and teamwork will make the transition easier for everyone. I ask that everyone take the time and effort to make this work. I know that you will all do your part to make this as smooth as possible.

The breadth of our service is awesome and pleases our stakeholders. I continually get praise from our customers and partners about your professionalism and great accomplishments.

**The Honolulu District
The best place
where the best people serve,
singularly focused on
executing quality projects,
relevant, ready,
responsive and reliable-
and having fun!**



**Lt. Col. Charles H. Klinge
District Commander**

While continuing to be good stewards of the environment, we should also be proud to be in an organization in which our expertise is needed in so many different places in so many different capacities. Recent deployments by Josette Pullen to Afghanistan, Ray Kong to Kosovo, Matthew Rowe to Afghanistan and a second tour by Ike Borja to Iraq, also add to our commitment to support the Global War on Terror.

With so much going on here at the Honolulu District, it would be easy to get stressed and forget about the last line in our vision statement -- to have fun. It's very important to maintain balance. Take care of yourselves, your families and take time to enjoy life in paradise.

As always, I couldn't be more proud of the work you do for our service members, customers, sponsors and the citizens of the nation and the region.

Essayons!

On the cover:

Kahu Kamaki Kanahale (second from right) and Kaleua Hew Len perform a Native Hawaiian blessing as part of the Modular Administration Buildings and Arms Vaults Project Ground Breaking Ceremony at Fort Shafter March 8. In the background, waiting to break ground on the \$19 million project with Koa O'o Hawaiian digging tools, are (from left to right): U.S. Army Garrison Hawaii Transformation Manager Ron Borne; Lt. Col. Justin Pickett of the 8th Theater Support Command; Deputy Honolulu District Commander, Maj. Robert J. Kroning; Project Manager David DelNero of Alutiiq-Mele; Vice-President Chris Dillon of Alutiiq-Mele and Hawaii PM Hank Rinnert of Alutiiq-Mele. Alutiiq-Mele LLC was awarded the design-build contract, which includes site preparation and purchase and installation of the facilities to support troops stationed in Hawaii. Photo by FT Eyre



The Pacific Connection

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Honolulu District Commander..... Lt. Col. Charles H. Klinge
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Kosovo Builds Geo-Tech's Worldwide Resume

By Sarah H. Cox
The Pacific Connection Editor

Several years ago as part of the Joint POW/MIA Accounting Command, he deployed to Vietnam to assist in bringing home the remains of fallen American Vietnam War Soldiers. In 2005 he deployed to Banda Aceh, Indonesia to assess infrastructure damage after the devastating tsunami killed an estimated 220,000 people. In February 2006 he deployed to Leyte, Philippines as part of a Forward Engineering Support Team (FEST) after a massive landslide swept away Guinsaugon village, killing an estimated 1,800 people. One month later he joined an emergency Preliminary Damage Assessment team in providing immediate geological reconnaissance after the earthen Kaloko Dam breached causing the death of seven people on the Hawaiian island of Kauai.

And now - after nearly 30 years with the U.S. Army Corps of Engineers providing his expertise worldwide - Honolulu District's Geotechnical Engineer Ray Kong is living and working for the Corps at Camp Bondsteel, Kosovo.

"I hope to make an impact by my example, words and program implementation, however small the impact may be," Kong said. "I've had opportunities upon opportunities to hit even higher goals.... Who says you can't experience new things when, like myself, you are in the later years of your career."

Kong says one of his higher goals has been to become the best engineer he can be.

"This will really help my engineering judgment," Kong said. He strongly believes that improved engineering judgment can be gained by getting into different situations that require thinking outside of the box.

Kong, who has never served on active-duty but has deployed all around the world after typhoons, hurricanes and earthquakes, says being able to have this on-the-ground experience with Soldiers has been a real eye-opener and given him a first-hand understanding of the operations side of engineering and a keener insight into the "whole picture."

It has also given the opportunity to put his life into proper perspective and given him a greater appreciation for America and its blessings.



Honolulu Geotechnical Engineer Ray Kong works at his desk at Camp Bondsteel, Kosovo where he is serving as director for the Directorate of Public Works. Courtesy photo

"The Soldiers are here to provide freedom for the Kosovars, how fortunate we are in the U.S. with our affluence and freedom. I essentially wanted to experience everything and at the same time hope I can give back as much as I gain," Kong said.

Kong says aside from the cold weather and the rapid pace of work, his job in Kosovo is not too much different from his Honolulu District job.

"I hope to make an impact by my example, words and program implementation, however small the impact may be."

"It surprisingly isn't much different from my regular job, only answers are required more quickly," Kong said. "Sometimes my work requires long hours to complete because everything here is required to be done quickly."

Kong left Honolulu in January for the four-month deployment to serve as deputy director for the Directorate of Public Works (DPW) for the Area Support Team. After two months he was promoted to director for DPW. He helps oversee the work of contractor Kellogg, Brown and Root Services, Inc. (KBRS). KBRS provides most of the infrastructure and utility services on Camp Bondsteel, Camp Mon-teith and other remote sites in Kosovo.

I enjoy helping to run the base more efficiently so that our Soldiers and others can concentrate on doing their jobs better," Kong said.

Overseeing the buildings, electricity, water, heating, air conditioning and roads for Camp Bondsteel and its 2,000 U.S. Soldiers is no easy task, but gives Kong a great sense of accomplishment.

Kong's supervisor, Erick Kozuma, chief, Technical Support Branch, says Kong continues to help the Schofield Barracks Resident Office resolve current issues with paving requirements for the Corps Drum Road Phase I project in Oahu.

"Even though he has been working long days and weekends (in Kosovo), when we do have issues, he has been providing guidance via e-mail," Kozuma said. "Since I've worked with him, he rarely says no to any request."

Camp Bondsteel was established in 1999 following NATO Operation Allied Force in which Serbian troops were forced out of Kosovo and replaced by international peacekeepers to ensure refugees could return to their homes. The camp grew from a farming area to a 900-acre camp in order to support the NATO-led peacekeeping mission.

The military and KBRS have worked to improve service members' quality of life by building wooden "South East Asia-style" huts to replace the tents, several dining facilities, two chapels, a 24-hour fitness center, a library, plus American pizza and hamburger restaurants.

Editor's note: Kong returned to Honolulu in April to his wife and three children to resume his work as a geotechnical engineer in the Technical Support Branch.



U.S. Army Kwajalein Atoll (USAKA)

This quarter the Pacific Connection staff interviewed Col. Stevenson Reed of U.S. Army Kwajalein Atoll (USAKA) about the base's mission, working with the Corps and goals for the future.

Pacific Connection (PC): What is the mission of USAKA?

Col. Stevenson Reed (SR): USAKA/RTS is a world class Major Range and Test Facility Base (MRTFB) activity that develops relevant capabilities to meet emerging requirements. It enables programs to conduct operational and developmental test for missile defense programs and conducts space control and space support technology development and operations.

(PC): What are the daily functions/duties of USAKA?

(SR): USAKA/RTS provides infrastructure and logistical support to the resident population and workforce for mission success and quality of life. It maintains cooperative U.S./Republic of Marshall Islands relationships and enables continued access to the region and workforce. It also supports combatant commanders for operations, military services and agencies for RDT&E (Research, Development, Test and Evaluation) activities.

(PC): What are the most important aspects of the working relationship between the USAKA and Army Corps of Engineers?

(SR): Being a relatively small installation but with "state of the art" facility requirements due to our aerospace mission, we look to USACE and the Honolulu District for most of our design and construction management requirements, whether it be for MILCON projects or IDIQ projects.

"USAKA would not have been able to construct and maintain our technical facilities and infrastructure without a very close, healthy relationship with the Corps,"

-- Col. Stevenson Reed

(PC): What is the relationship like between the Corps and USAKA?

(SR): Our relationship is very good. USAKA would not have been able to construct and maintain our technical facilities and infrastructure without a very close, healthy relationship with the Corps.



USAKA Commander Col. Stevenson Reed addresses the crowd at the grand opening of the Kwajalein Vehicle Prep and Paint Shop.

Courtesy photo

(PC): What are the biggest challenges and issues facing USAKA in the near future?

(SR): Our biggest challenge is to insure that our capabilities stay on the technological crest of missile development while operating within an austere funding climate.

(PC): What are the most important projects USAKA is currently working on/planning for?

(SR): Honolulu District is currently constructing an Emergency Services Facility on Meck Island for us. USAKA and Honolulu District will soon be partnering on projects to Repair the Roi-Namur Pier; Relocate the Salt Water Intake Piping, Roi-Namur; and Repair Echo Pier, Kwajalein; as well as providing Fire Protection and Life Safety Upgrades to Meck Island.

(PC): What are the current and future goals for USAKA?

(SR): USAKA/RTS continues to be the Army's premier space operations and full-spectrum missile testing activity that through transformation provides increasingly relevant products and net-centric capabilities to support the combatant commanders.



Radars on Roi-Namur provide service for USAKA/Ronald Reagan Ballistic Missile Defense Test Site. Courtesy photo

New Kwajalein Vehicle Paint and Prep Shop Opens

Story by Sarah H. Cox
The Pacific Connection Editor

U.S. Army Corps of Engineers Honolulu District and U.S. Army Kwajalein Atoll (USAKA) officials held a ribbon-cutting ceremony Jan. 23 to open the newly constructed Vehicle Paint and Prep Shop (VPP) on Kwajalein Atoll.

“They’ve done a beautiful job on this paint and preparation facility,” said USAKA Commander Col. Stevenson Reed at the ceremony in reference to the Corps and the project contractor, San Juan Construction Company.

Since the military began using Kwajalein for military purposes in 1944, combating corrosive damage to vehicles and equipment has been a constant problem.

According to now retired Project Manager Rodney Leong, the main cause of premature equipment and vehicle failure on the island is corrosion caused by the constant exposure to the salt-laden air of the atoll.

“The new VPP provides USAKA with a safe, modern facility in which to perform rust-protection coating of its vehicles and equipment, to help support the Army’s Research, Development, Test and Evaluation (RDT&E) mission,” Leong said.

Kwajalein’s extreme marine environment makes preserving military and contractor’s equipment an absolute necessity. All new equipment arrives on the island via a long 2,100 mile-long barge journey or a costly airplane flight.

Being able to combat corrosion and properly maintain the equipment on the island saves money on transportation, re-



Cutting the ceremonial ribbon Jan. 23 for the new Vehicle and Paint and Prep Shop on Kwajalein Atoll are: (from left to right) Tolis Kageorgis, automotive manager, Kwajalein Range Services; Troy McAllister, site manager, San Juan Construction, Inc.; Lt. Col. Charles H. Klinge, commander, HED; Col. Stevenson Reed, USAKA commander; Jim Landgraff, project manager, Directorate of Public Works, USAKA; and Rodney Leong, project manager, HED. Courtesy photo

pairs and replacements and allows more effective and efficient use of limited installation funds.

“In the new metallization, paint spray and undercoating booths, the workers can paint effective barriers on the equipment to combat the harsh elements and keep their equipment operating in excellent running condition for a longer time,” Leong said.

Leong added that in the new hydro blast and abrasive blast booths, small corrosion and rust spots can be removed before they have a chance to spread and ruin the costly and sophisticated equipment.

Leong says Kwajalein’s location “in the middle of nowhere” also presents a big construction challenge. “When contractors begin a project, they have to bring everything they need with them,” Leong said.

“Costs are further affected by the fact that there are a limited number of contractors who have the special expertise required, and want to take the risks involved, in performing work in such remote areas as Kwajalein. This drives up the costs and makes for a tough construction market.” Leong said.

In fact, Honolulu District had to obtain Dept. of the Army authority to award about 20% over the programmed amount.

The VPP will definitely save the government money in the long run and will be safer for the environment as well,” he added. The VPP employs an abrasive-media recovery system, and air and water filtration systems which prevent harmful emissions from reaching the environment.

The Corps’ Kwajalein Resident Office was established in 1964 when the U.S. Army assumed command of the island from the U.S. Navy. The office has administered hundreds of millions of dollars in construction contracts, including recent large projects such as the 13.5 megawatt power plant on Roi-Namur, launch test facilities on Meck, and a cold storage facility on Kwajalein.

Kwajalein is the home of the Ronald Regan Ballistic Missile Defense Test site, the Corps Kwajalein Resident Office and approximately 3,000 American military and Department of Defense civilians, support personnel and their families.



Honolulu District’s Kwajalein Resident Office (KRO) managed the \$10 million, 20,000 square foot VPP project which includes rooms for hydro blasting and undercoating, booths for abrasive blasting, metallization and paint spraying. Photo courtesy of USAKA Public Affairs Office

State, Corps Dam Inspection Partnership Praised



Maj. Gen. Robert Lee, (right) state of Hawaii Adjutant General, discussed the state's dam safety program in a March 13 press conference at the state capitol. He lauded the Corps' fast reaction and partnership last year and thanked the Corps for its ongoing efforts to help the state with dam break studies. Also in attendance were (from left to right) Department of Agriculture Director Sandra Lee-Kunimoto, Department of Health Director Dr. Chiyome Fukino, Department of Natural Resources (DLNR) Chairman Peter Young and Honolulu District Commander Lt. Col. Charles H. Klinge. Photo by Joseph Bonfiglio

By Honolulu District Public Affairs

One year after the Kaloko Dam breach, Hawaii state officials praised the partnership between the state and the U.S. Army Corps of Engineers in conducting statewide dam inspections in a press conference held in the Executive Chamber at the state capitol March 13, 2007. The press conference was held to discuss the state's dam safety program.

Maj. Gen. Robert Lee, state of Hawaii adjutant general, lauded the Corps' fast reaction and teamwork last year and thanked the Corps for its ongoing efforts to help the state with dam break studies.

"I would like to acknowledge the Corps' good work in conducting the inspections so quickly and being a good partner with the state," Lee said. "They brought in experts from around the country and worked closely with the state to inspect the dams immediately after Kaloko."

A message from Hawaii Gov. Linda Lingle one-year after the Kaloko Dam breach stated, "The state has taken steps to enhance its dam safety program. State officials, together with the Army Corps of Engineers and the U.S. Bureau of Reclamation, inspected all 136 regulated dams across the islands last year and none were found to be in imminent danger of a breach.

The state is also in the process of updating emergency evacuation plans

statewide to account for population shifts that occurred in areas surrounding dams and reservoirs. These plans will identify areas and populations at risk as well as critical structures and facilities built in potential inundation areas. We have also established evacuation protocols in the event of an emergency."

The Corps conducted state-wide visual dam inspections in March and April 2006 after the Kaloko reservoir dam breach caused an estimated 400 million gallons of water to speed down-slope resulting in flood damage to homes and a major road and the confirmed deaths of seven people.

Honolulu District Commander Lt. Col. Charles H. Klinge attended the press conference to accept the thanks from the state on behalf of the Corps. Also attending were State Department of Natural Resources (DLNR) Chairman Peter Young, Department of Agriculture Director Sandra Lee-Kunimoto and Department of Health Director, Dr. Chiyome Fukino.

History of the Support and Partnership

Immediately following the Kaloko disaster, Honolulu District provided geological reconnaissance and technical assistance to Kauai County, DLNR and state of Hawaii Civil Defense.

As the barrage of rainstorms continued to soak the Hawaiian Islands, Lingle ordered the inspections of all reservoirs and dams in Hawaii.

The Honolulu District inspected the Kaloko Dam four days after it failed, on March 18, 2006, under the federal Public Law 84-99 emergency program. Participating in the inspection were representatives from Hawaii DLNR and Kauai Civil Defense.

The inspection confirmed Kaloko Dam breached while about 140 acre-feet of the reservoirs' more than 1,400 acre-ft of storage remained.

The State of Hawaii requested additional support from the Honolulu District as a precautionary measure. The District inspected 83 dams on the islands of Hawaii, Maui, Molokai, Oahu and re-inspected four dams on Kauai.

Altogether, visual surveys for both actions resulted in 137 dam inspections. None of the dams evaluated were in imminent danger of failure on the date of their inspection. The second round of inspections was conducted under reimbursable funding from DLNR.

As authorized by the Fiscal Year 2006 Emergency Supplemental Appropriation Act (Public Law 109-234), which provided \$2 million for the Hawaii Water System Technical Studies to conduct dam break analyses in accordance with Congressional intent (and was sponsored by Sen. Daniel Inouye), the Honolulu District is conducting detailed hydrologic and hydraulic analyses of 11 dams.

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State, Corps Dam Inspection Partnership Praised *Continued from page 6*

This study will result in maps delineating areas downstream of the dams that would be inundated by water only if the dams were to fail.

The state DLNR is the non-cost sharing sponsor. These studies are being conducted in collaboration with other federal agencies, state of Hawaii Dam Safety Office and participating counties. The 11 dams were selected from the DLNR's priority list due to urban development downstream of the dams.

The dam break analyses are being done by a team of Corps staff and the local firms of Oceanit Laboratories, PB Americas, SSFM International and Tetra Tech.

Study findings will help the state determine what kind of warning systems and evacuation plans might be needed in case of a dam break. The study will not establish when or the likelihood of a dam failure.

"These studies involve evaluating various hydrologic and dam failure scenarios, and hydraulic analysis that will result in maps of the downstream areas that will be adversely affected only if the dam were to fail," said Derek Chow, Corps of Engineers senior project manager.

The products will be used by the State Dam Safety Office and dam owners in the preparation of required emergency action plans.

"I am pleased that the Corps of Engineers continues to play a critical role in evaluating the durability of Hawaii's dams," Inouye said.

"These studies will provide key recommendations to help the State and counties better understand and mitigate against the potential hazards caused by any dam failure."

Following the October 15, 2006 earthquakes on the island of Hawaii and in accordance with the Hawaii Dam Safety Guidelines, all dams within a 75-mile radius were inspected for post-earthquake damages.

Under the Stafford Act funded by the Federal Emergency Management Agency (FEMA), and in support to the state of Hawaii, the Honolulu District conducted emergency visual condition surveys of 86 dams on the islands of Hawaii, Maui, and Molokai (within 75-mile radius) and Oahu and Kauai (as a precautionary measure).



HED Geologist Eric Bjorken and Sacramento District's Ghassem Khosrownia perform a visual inspection for potential hazards caused by the Oct. 15, 2007 earthquake on the island of Hawaii. Courtesy photo

District Releases 2006 Flood Damage Prevention Figures

During Fiscal Year 2006, the total flood damages prevented by reservoirs, levees and emergency operations under the Honolulu District's jurisdiction totaled \$23,191,457.

Of this total, \$57,175 was from projects in Guam and American Samoa with the rest from the State of Hawaii.

When the Corps of Engineers designs and builds a project to reduce flood damages, it also estimates how much damage would have been caused by various storm events had the project not been built. These estimates, updated to current dollar values, are used to calculate the damages avoided with the project in place.

March 2006 was an exceptionally wet and record-breaking month in the State of Hawaii. According to the National Weather Service (NWS) the state was under 22 days of flash flood warnings, suffered one damaging tornado and three verified severe thunderstorms.

- Kahawainui Stream, Island of Oahu: A total of \$14,173,716 in damage from heavy rains was prevented to the town of Laie by this project on March 2, 2006 during a stormy period that lasted from March 1-3, 2006.

- Hanapepe River, Island of Kauai: A total of \$3,082,199 damages were prevented by this project from five storms that occurred on Oct. 1, 2005, March 10, 15, and 26, 2006 and Aug. 7, 2006. Thunderstorms generated by the remnants of Hurricane Kenneth caused the flash flooding on Oct. 1, 2005. Damages were sustained island wide from the March storms which caused road closures, flooding of low-lying areas, cesspool back-ups, landslides island-wide and the Ka Loko Reservoir breach. The August 7, 2006 heavy rain storm from the remnant of Tropical Storm Fabio caused flash flooding throughout Kauai. No damage was reported in Hanapepe.

- Alenaio Stream, Island of Hawaii: A total of \$5,869,231 in damage was prevented to the town of Hilo by this project from a thunderstorm on March 9, 2006. According to the NWS this storm dumped six to 10-plus inches of rain over Southeast Hawaii and caused numerous road closures in Hilo.

- Wailoa/Waiakea Stream, Island of Hawaii: A total of \$9,137 in damage was prevented to the town of Hilo by this project from a storm on March 9, 2006. A total of 11.4 inches of rain in 24 hours was reported at the Waiakea Uka rain gauge in this watershed.

Wailupe Stream Model Helps Overcome Engineering Challenges

Story by Steven Yamamoto
Wailupe Stream Project Manager
Civil and Public Works Branch

“Can large floods from Wailupe Stream flow under Kalanianaʻole Highway Bridge? Would we need to re-build and raise this bridge to straighten the channel opening. Would we create traffic congestion during construction to thousands of East Honolulu residents?”

These were some of the questions on my mind as we viewed the initial testing of the completed Wailupe Stream physical model on Feb. 6 at the Coastal and Hydraulics Laboratory, Engineer Research and Development Center (ERDC) in Vicksburg, Miss. Joining me for the testing were Jim Pennaz, Chief of the Civil Technical Branch, Honolulu District and Rene Vermeeren, Chief of the Hydrology and Hydraulics Section from the Los Angeles District.

The Wailupe Stream Flood Damage Reduction Project is needed as a result of floods which occurred in 1987 and 1988 which devastated East Honolulu causing an estimated \$35 million in damages. This, along with stream bank erosion, prompted the City and County of Honolulu and the State of Hawaii to co-sponsor the project.

At the request of the Honolulu District, ERDC built the physical model. Dwayne Fuller, Principal Investigator at ERDC supervised the construction team. The 1:25 scale model represents approximately 2,000 feet of the proposed concrete trapezoidal and rectangular channel and improvements at Kalanianaʻole Highway Bridge.

The bridge improvements consist of a curved parapet wall at the upstream bridge face, a concrete lid to seal the opening between inbound and outbound lanes and metal plates to hold down the bridge girders during high flows. A parapet wall is a curved concrete wall attached to the bridge face to contain high flows within the channel that would normally overtop the bridge.

We needed a physical model because Kalanianaʻole Highway Bridge has an irregular bridge opening alignment which cannot be accurately modeled using a computer model. The bridge was initially built as a two-lane road in the 1930s. As additional lanes were added in the 50s and 90s,



Steve Yamamoto (left) and Rene Vermeeren (SPL) examine and record the performance of a 1:25 scale model of the Wailupe Stream Flood Damage Reduction Project. Courtesy photo

a “crooked” bridge opening was formed. In addition, the bridge has approximately two feet of clearance during high tide due to the low coastal ground elevations.

And as if there weren’t enough engineering challenges, the bridge uses T-girders to support the road deck above. Unfortunately, lining the underneath of the bridge with concrete to make it smoother and efficient would not be an option since the State of Hawaii Department of Transportation personnel must inspect the underside of the bridge annually. We feared the irregular surface would cause the stream flow to slow down drastically and cause higher water elevations upstream.

The moment of truth arrived as the ERDC investigator let water flow through the model to simulate the 25-year flow event. Even with a high tide elevation of 2.7 feet at the downstream channel, all the water flowed underneath the bridge. Well, we expected this based on the results from the computer model.

The 50-year flow simulation showed the water just touching the bottom of the parapet wall and the bottom of the upstream bridge girders. But the flow under the downstream bridge opening doesn’t even touch the bottom of the girders. For

this event, we may not need high floodwalls downstream.

We were satisfied and asked Mr. Fuller to “crank it up” and start the 100-year flow simulation. “Wow!” The water surface rose up the parapet wall to a depth in the model of approximately 0.6 feet, which equals a 15 foot depth in the “real world” channel. The hydraulic jump, a sudden rise in water surface due to slow moving water at the bridge, also moved further up the channel.

We knew we would have to build floodwalls upstream of the bridge for this flood event because of the hydraulic jump and it appeared that a six to eight foot high floodwall would be required for some of the residents living near the bridge. The model also indicated that there would be air pockets trapped between the bridge girders that may require removal.

I watched the hydraulic jump move as Mr. Vermeeren placed a board at the upstream bridge pier and rotated its position as water flowed past.

“This is the time when we Hydraulic engineers get to have some fun and play with our models,” Vermeeren said.

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Honolulu District developed and planned the 1st Lt. Nainoa Hoe Battle Command Training Center to support training requirements of the 25th Infantry Division. The 89,803 square foot facility, built by Dick Pacific Inc., functions to conduct embedded war-fighting simulation operations to support Medium Brigade, Joint, and Combined Arms, simulation training for the Army of the 21st Century.

BCTC Dedication Honors Local Soldier

Story and photos by
Christa B. Thomas
Hawaii Army Weekly

While blessings of a light rain gently showered the modern, pristine training center on Schofield Barracks, Hawaiian blessings were chanted inside as the building was dedicated to a fallen Soldier, Feb. 9.

As the placard at the Battle Command Training Center [BCTC] was unveiled, the ceremony to name the building began, honoring 1st Lt. Nainoa Hoe.

Completed in October 2005, the BCTC is a \$27.2 million state-of-the-art combat simulation training center built by the U.S. Army Corps of Engineers, Honolulu District.

Hoe, 27, was fatally shot by a sniper while patrolling the streets of Mosul, Iraq, in 2005.



A portrait of 1st Lt. Nainoa Hoe, adorned with leis, hangs in the foyer of the \$27.2 million battle simulation facility.

Col. Howard Killian, commander of U.S. Army Garrison, Hawaii, presided over the event that was an acknowledgment of Hoe's courage, selflessness and full measure of devotion to his country.

Maj. Gen. William Brandenburg, deputy commander, U.S. Army Pacific, offered greetings to Gov. Linda Lingle and introduced the keynote speaker, Col. Robert Brown, director, J-7 exercises and training, U.S. Pacific Command and formerly Hoe's brigade commander.

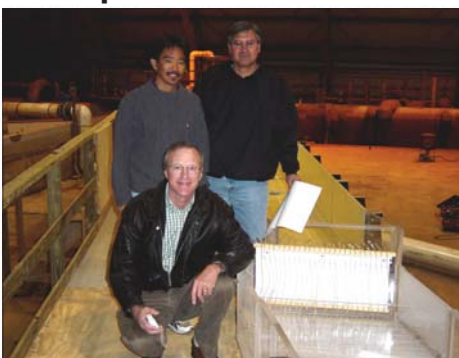
Brown said the 89,803-square-foot training center is the perfect facility to be named for Hoe.

"Nainoa trained in a similar facility and he fully understood the importance of simulation," he said, because "Nainoa earned his bachelor's degree in Information Management Systems."

"May those who train here find in this place all that they need to fulfill their individual and collective destinies. May they, and we, be cherished and protected by He who is greater than us all."

Wailupe Stream Model

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HED Chief of Civil Works Technical Branch Jim Pennaz (kneeling), HED Civil Engineer Steve Yamamoto (left) and LA District Chief of Hydrology and Hydraulic Section Rene Vermeeren stop for a photo with the Wailupe Stream Model. Courtesy photo

Knowing how far upstream the hydraulic jump can move allows us to safely design floodwall heights and lengths.

I observed the changes on the water surface as Mr. Pennaz used a fiber mesh pad to simulate debris getting caught at the upstream bridge pier.

When the massive 500-year flow was simulated, the water surface rose even higher along the parapet wall to an approximate depth of 0.8 feet or 20 foot real world depth. The hydraulic jump moved even further upstream requiring 11 to 13 foot high floodwalls along the bank. Air would still be trapped under the bridge between the girders, but initial readings indicate that because of the high flow velocity under the

bridge, there would be minimal static pressure forces from the difference in water elevations; something we did not expect. One less force to consider for bridge improvements means a more affordable project.

After viewing the initial results of the model, I feel confident that a project can be built to provide flood protection to the residents and businesses in Aina Haina. We are incorporating a low flow channel for the native gobies and debris basins to catch sediments and debris that will help reduce coral damage and improve water quality. A win-win situation for all!

Celebrating Kaneohe-Kailua Dam & Ho'omaluhia Botanical Garden's 25th Anniversary

Story by Joseph Bonfiglio
Chief, Honolulu District Public Affairs

Officials from the City and County of Honolulu, the Hawaii State Legislature and the Corps of Engineers' Honolulu District gathered to celebrate the 25th Anniversary of the Ho'omaluhia Botanical Garden and Kaneohe-Kailua Dam in a city-sponsored ceremony at the garden March 1, 2007.

Highlights of the ceremony included historical presentations, proclamations from the City and County of Honolulu and the Hawaii House of Representatives and testimonials from the engineers and city officials who helped conceive, design and build the Windward Oahu project at the foot of the Koolau Mountains.

According to John Pelowski, Honolulu District's former chief of Planning and technical supervisor during construction, the project was conceived by former Honolulu Mayor Frank Fasi and his administration as a way to protect the Kaneohe/Kailua area after massive floods in the 1960s caused significant damage to homes and loss of life in the area.

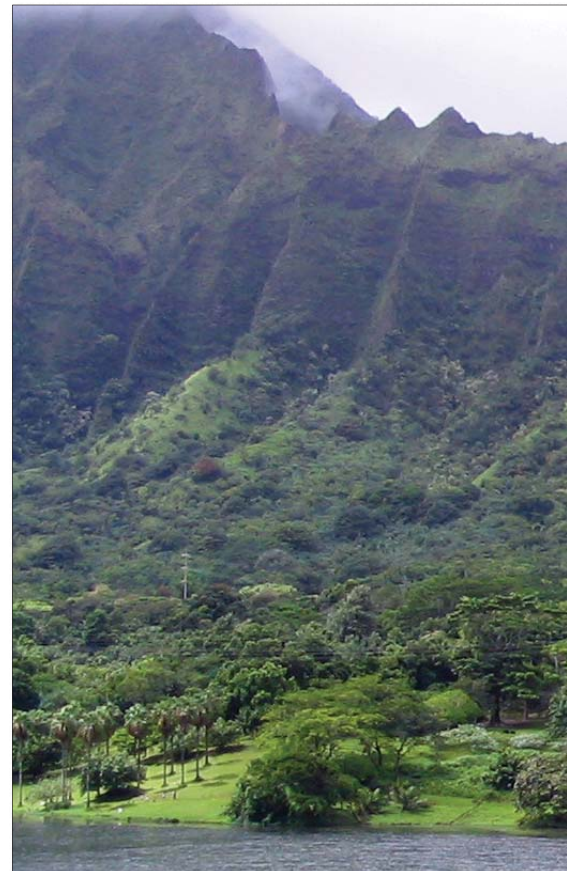
"The city reached out to the Corps to develop a joint federal/city cost sharing flood control project," Pelowski said. The project was authorized under the Flood Control Act of 1970.

According to Director Lester Chang, of the Honolulu Department of Parks and Recreation, the Corps pulled it all together and created a unique project that creatively combined flood control and recreational features.

After extensive research and coordination with the City and County of Honolulu and numerous state and federal agencies, the Corps began construction of an earthen dam and recreation area in April 1976, according to Honolulu District Commander, Lt. Col. Charles H. Klinge.

"The contractors during construction were a joint venture of local contractor E. E. Black and S. J. Groves of Minneapolis," Klinge said.

After years of challenging construction in a rain forest environment which



The Kaneohe/Kailua area on Oahu's windward coast tragedy and prevented an estimated \$18 million in flood

averages 80 - 100 inches of rain a year, the Corps finished the Kaneohe-Kailua Dam and Ho'omaluhia Recreation Area in 1981 at a cost of a little over \$29 million.

Flood control features cost approximately \$17 million and the rest was spent to create the park and recreation facilities.

The result was Ho'omaluhia ("place of peace") Botanical Gardens, which covers over 400 acres, includes a 32-acre lake and is home to endangered birds (including the Hawaiian coot) and a botanical garden featuring rare plants from Hawaii, Polynesia, Africa, South Asia, Melanesia and tropical America.

More than 100,000 people visit Ho'omaluhia every year to hold meetings, hike, camp, picnic, fish, bird-watch and much more. There is a visitors' center and a small art gallery where local artists display their work.

The garden opened to the public in March 1982.

"Ho'omaluhia is one of the nicest and most beautiful recreation areas I've ever seen," Klinge said. "This project is a clear demonstration of the Corps' commitment to our Environmental Operating Principles, it protects lives and promotes the economic well-being of the windward side of



The Kaneohe/Kailua Dam and its adjoining botanical garden is a unique combination of flood control and recreational features. More than 100,000 people visit the garden annually. USACE file photo



receives an estimated 80 to 100 inches of rain per year. Built at the foothills of the Koolau Mountains, the Kaneohe-Kailua Dam has averted potential flood damages since its completion 25 years ago. USACE file photo.

Oahu and it provides a tremendous place for visitors to take in the splendor of the Koolau Range.”

According to Honolulu District Civil Works Technical Branch Chief Jim Pennaz, who served as the project’s hydraulic engineer, the Kaneohe-Kailua Dam has prevented an estimated total of almost \$18 million of flood damage in the last quarter century.

In particular, it prevented one and a half million dollars worth of damage in March 1980 and eight point seven million dollars during storms from 1987 to 1996. In

2005, the Kaneohe-Kailua Dam prevented almost \$1.5 million worth of damage, according to Pennaz.

Chang read and presented a City and County of Honolulu Proclamation on behalf of Honolulu Mayor Mufi Hannemann to Ho’omaluhia Program Coordinator Olive Vanselow, Ho’omaluhia staff and volunteers.

Deputy Director Dana Takahara-Diaz, of the Honolulu Department of Parks and Recreation, read a similar Proclamation on behalf of Hawaii State Rep. Colleen R. Meyer (47th District).

Hawaii State Rep. Ken Ito (48th District) was represented by George Okuda, and Hawaii State Sen. Jill Tokuda (24th District) was represented by Vaughn Tokashi.

Director Winnie Singeo of the Honolulu Botanical Gardens served as the master of ceremonies.

Former Honolulu Botanical Gardens Director Paul Weissich and former Director of the Honolulu Department of Parks and Recreation, Rom Duran shared anecdotes about construction coordination challenges and how they worked them out with Corps officials.

The unsung heroes of the garden were represented by Director Laverne Higa of the Honolulu Department of Facility Maintenance. Her department cuts the grass, tends the plants and maintains the huge park.

Honolulu City Parks Director Lester Chang (center) presents a City and County of Honolulu proclamation on behalf of Mayor Mufi Hannemann to Ho’omaluhia Program Coordinator Olive Vanselow (right) and the Park staff and volunteers as Honolulu Engineer District Commander Lt. Col. Charles H. Klinge (left seated) applauds. Photo by Joseph Bonfiglio



NSPS: Ready or Not, Here it Comes.....

On April 15 all Pacific Ocean Division and Japan and Honolulu Districts employees converted to the new National Security Personnel System (except those affected by the IM/IT A-76 study and the Logistics High Performing Organization initiative). To help ease the transition, the Army has assembled a list of the most frequently-asked questions on NSPS.

Q: What if I'm an employee presently serving on a temporary promotion?

A: You will be returned to your permanent positions prior to conversion. Immediately after conversion, you can be returned to the former position and re-promoted/reassigned on a temporary basis and your salary set at the same level it was before conversion (a one-time exception allowed for in DoD Issuance SC1911.4.6).

Q: Is an employee on temporary reassignment at conversion who returns to a temporary reassignment after conversion eligible for the 5% salary increase?

A: The one-time pay setting rule may be used to set the employee's salary at the same rate as before the conversion for an employee who is temporarily reassigned immediately after conversion to the NSPS position he/she held on a temporary basis before conversion. For subsequent temporary reassignments, an employee may receive up to a 5% increase consistent with the NSPS regulatory requirements.

Q: How do GS-9 and GS-11 employees in positions with promotion potential convert to NSPS?

A: Employees who have not been promoted to the full performance level of their positions prior to conversion may be converted into Pay Band 1 (developmental pay band) with noncompetitive promotion to Pay Band 2

Q: How will the salaries of employees on grade retention be set?

A: At the time of conversion, the employee will be converted to a career group, pay schedule and pay band based on their assigned permanent position of record and his/her pay adjusted to base salary and local market supplement. After conversion, if the base salary exceeds the rate range for the assigned pay band, pay retention will be granted for a period of two years.

Q: Has the LMS been established for Hawaii and Alaska yet?

A: Yes, OCONUS employees who receive Special Salary Rates (SSR) and whose salary cannot be subsumed within the base rate of the pay band, shall receive an LMS. DoD CPMS posted the LMS rates for Spiral 1. These LMS rates could apply to qualifying positions in HI and AK.

Q: Do employees receive the same percentage they would have earned under special salary rate (SSR)?

A: The percentage of LMS, if applied, may be the same as the SSR it replaces, but the percentage could differ depending on the market data available when the LMS rates are published.

Q: How will my supervisor be held accountable for rating me equitably and fairly?

A: Supervisors and managers will be trained and evaluated on how well they conduct their performance management responsibilities. Their effectiveness will be an important factor in determining their own pay increases. Employees who feel their performance ratings are inappropriate will be able to ask for reconsideration. An administrative reconsideration process is available to all employees.

For more information about NSPS, visit: www.cpms.osd.mil/nsps

The Performance Management Process has five main steps:



Q: Will employees in Hawaii and Alaska be eligible for a Local Market Supplement (LMS) and COLA?

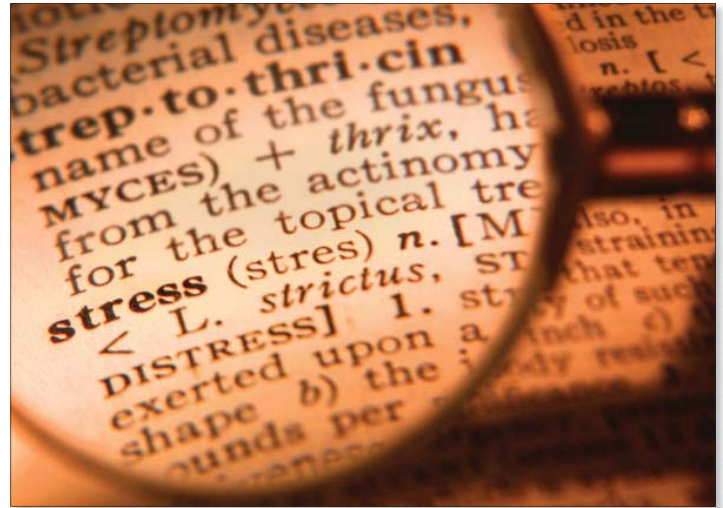
A: NSPS regulations may provide LMS to employees receiving a non-foreign COLA. LMS are established in response to labor market conditions and apply to employees located in specific geographic areas that warrant additional compensation such as Hawaii and Alaska.



District Passes ISO 9001 Re-Certification Audit Test

ISO (International Organization for Standardization) 9001 External Auditor Mae Cotter (second from left) briefs managers April 5 on the results of the seven-day assessment to recertify Honolulu District's Quality Management System (QMS) under the ISO 9001:2000 Standard. Based on their review of the District's QMS, the auditors determined that the district continues to meet the intent of the ISO 9001:2000 Standard and that the QMS is effective in promoting continual improvement. Photo by Sarah H. Cox

Stress



Stress Overload Can Affect Your Safety. When we suffer from stress overload it can affect our health and our ability to work safely. A reasonable amount of stress can motivate us to work better and faster. But excessive stress can cause many problems including health difficulties.

Stress affects the immune system. While some studies show that acute, short-term stresses may actually be able to boost the body's immune response, chronic (long-term) stress has the effect of "wearing down" the immune system, leading to an increased susceptibility to colds and other infections. Scientific studies have also shown that stress can even decrease the immune response to vaccinations and prolong wound healing.

Scientific studies have also shown that psychological stress may worsen the symptoms of almost every known medical condition. Stress may worsen the intensity of symptoms of cardiovascular diseases, asthma, multiple sclerosis, chronic pain, acne, and depression. While stress alone is not a cause of these diseases, it may actually worsen the disease progression in many people.

Manifestations of excess or poorly-managed stress varies from person to person.

Some symptoms of too much stress include:

- Sleeping difficulties
- Feelings of anxiety and of being overwhelmed
- Feelings of depression
- Appetite changes
- Being short-tempered and uptight
- Physical sensations such as tense muscles, headache or upset stomach and
- Abuse of substances such as food, cigarettes, alcohol or drugs

Relaxation techniques and exercises:

Special relaxation techniques and exercises prove helpful. You can obtain more information about these methods from books and tapes which are widely available, as well as community programs, self-help groups and some therapists. Check with your doctor before beginning any form of physical exercise:

- Imagery - is the use of pleasant or relaxing images to calm the mind and body.
- Read - to temporarily forget all about the problems in your life. It can be very beneficial to your stress level to get lost in someone else's life for a little while.
- Meditation /Prayer - there are many different types of meditation and many can be learned on your own.
- Progressive Muscle Relaxation - exercises where muscle groups are tightened and then relaxed in succession.
- Qigong - the art of Qigong is an ancient Chinese system that combines physical training (such as isometrics, isotonic, and aerobic conditioning) with Eastern philosophy and relaxation techniques.
- Tai chi - is an ancient Chinese martial art. It has been termed a kind of "meditation in motion" and is characterized by soft, flowing movements that stress precision and force.
- Yoga - an ancient form of exercise based upon the premise that the body and breathing are connected with the mind.

Suggestions to cope with stress:

- Maintain general good health.
- Eat nutritious meals regularly each day.
- Your diet should consist largely of healthy food such as whole grains, fresh fruits and vegetables.
- Foods which are high in fat, salt and sugar should be kept to a minimum.
- Get adequate sleep and rest.
- Exercising daily or at least several times a week will also help you to stay strong enough to cope.
- Avoid drugs such as alcohol, caffeine and nicotine. When stressed, it is tempting to turn to this kind of relief, but such abuse will eventually just add to your problems.
- Talk to someone. Problems become more manageable when you discuss them with a friend, a member of your family, a clergy person or a counselor.
- Prioritize tasks. Do what is most important first. You can't do everything and be responsible for everything. Many of the things we worry about are beyond our control or never actually affect us.
- Learn to relax on your time off from work and other responsibilities, even if it is very short time. Every day do something you enjoy.
- Keep a stress journal to track what "sets you off" and to help you understand your reactions.
- Learn to set realistic goals. If you are working toward specific goals, day-to-day difficulties are easier to handle.
- Learn to manage yourself to make the most of the time which you have each day. You might find it useful to get up a little earlier each day or leave for work a little earlier so that you don't feel rushed.
- Learn Feng Shui. The ancient Chinese body of knowledge that reveals the ways to balance the energies of the environment to assure health.
- Excessive stress is a common problem in today's hectic world. Learn to manage stress to maintain your health – and your safety.

Information provided by the Honolulu District Safety and Occupational Health Office.



Elisapeta Sunia, wife of American Samoa Lt. Gov. Ipulasi Sunia cuts the ceremonial ribbon to officially open the Route 1 Reconstruction & Shoreline Protection - Phase V, Faganeanea to Nuuli. Watching the ribbon-cutting are (left to right) Mike Buckland, Construction Manager for New Zealand and the Pacific; James Bersson, Honolulu District Deputy Engineer for Project Management; Abe Wong, Federal Highways Administration and American Samoa Deputy Director, Civil Highway Division Faleosina Voigt. Courtesy photo

Honolulu District, American Samoa Open Vital Road

The U.S. Army Corps of Engineers Honolulu District and American Samoa officials recently held ribbon-cutting ceremonies for the completion of the \$12.3 million Route 1 Reconstruction & Shoreline Protection - Phase V, Faganeanea to Nuuli project.

“We are proud to open this new vital roadway for American Samoa,” said James Bersson, Honolulu District deputy engineer for Project Management. “The roadway project clearly improves and protects the remaining gap in Route 1 from Nuuli to Pago Pago. Residents who will use the roadway – those living near the airport, the industrial area and those living outside of Nuuli - will now be able to get to the government center area more efficiently.”

The project was an Interagency and International Services Program work on behalf of Federal Highways Administration and the American Samoa Department of Public Works.

According to Bersson, this was the largest construction project managed by the Corps of Engineers in American Samoa and arguably the most important since the

roadway serves as a critical backbone for all commerce and residents on the island of Tutuila, the center of government and business for the territory.

The project duration was 18 months. They coordinated with other govern-

mental and utility agencies to insure site specific requirements were included.

Bersson also congratulated contractors, McConnell Dowell and AE M&E Pacific, Inc. for their work in completing the project.

Congressman Faleomavaega Visits Honolulu District



Key members of the District met with American Samoa Rep. Eni Faleomavaega (center) Feb. 8 in Honolulu to discuss current and upcoming projects in American Samoa including Manua Islands (Ta'u and Ofu) and Leone harbor development. (From left to right) HED Chief Civil and Public Works Branch Paul Mizue, POD Executive Assistant Jim Proctor, HED Project Manager Harold Nakaoka, Honolulu District Commander Lt. Col. Charles H. Klinge, HED Chief Engineering and Construction Division Todd Barnes, and Project Manager Dickson Ma. Courtesy photo

Hawaii Military Construction

Using Koa O'o, traditional Hawaiian digging tools, military and civilians break ground on the Modular Administration Buildings and Arms Vaults Project March 8 at Fort Shafter. From left to right: Project Manager David DelNero of Alutiq-Mele; Deputy Honolulu District Commander Maj. Robert J. Kroning; Vice-President Chris Dillon of Alutiq-Mele, Lt. Col. Justin Pickett of the 8th Theater Support Command; U.S. Army Garrison Hawaii Transformation Manager Ron Borne; and Kaleua Hew Len. Corps construction projects in Hawaii begin with a native Hawaiian blessing. Photo by FT Eyre



Quality Assurance Representative Randy Itamoto (left), Raymond Shuman of Nan, Inc. (center) and Quality Assurance Representative Fabian Ladao discuss the Whole Barracks Renewal (WBR) project at Schofield Barracks in March. In the background is BK-6, a six-story single Soldiers' barracks which is scheduled for completion in 2008. Honolulu District is responsible for the \$900 WBR program that is upgrading thousands of single Soldiers' quarters at Schofield Barracks, Wheeler Army Airfield and Tripler Army Medical Center. Photo by Joseph Bonfiglio



Civil Engineer Kimberly Jyo and Quality Assurance Representative Al Ponciano inspect telecommunication ducts being placed in the ceiling of BK-5, a five-story barracks under construction on Schofield Barracks. Photo by FT Eyre



Officials break ground on the \$11 million Hot Cargo Pad Project on Hickam AFB March 8. Left to right: HAFB Base Civil Engineer Lt. Col. David Maharrey; Denny Watts of Watts Constructors; Todd Barnes, Honolulu District chief, Engineering & Construction; Russ Kunishige, Watts Constructors project manager; Shawn Willing, Watts Constructors project superintendent and Alvin Char, deputy director of Directorate of Public Works, U.S. Army Garrison Hawaii. The project includes constructing cargo pads, taxiways, loading ramps, connecting roads and a staging area. Courtesy photo

Palau Compact Road Presentation Draws Big Crowd

By Honolulu District Public Affairs

Over 250 members of Hawaii's engineering community gathered at the Hale Koa Hotel Feb. 20, for a luncheon to kick-off Engineers Week, which ran from Feb. 18 to 24.

Jointly hosted by the Honolulu Post of the Society of American Military Engineers (SAME) and the Hawaii Council of Engineering Societies (HCES) the luncheon featured Alex Morrison of the Corps of Engineers, Honolulu District as the keynote speaker.

Morrison serves as the Corps' resident (chief) engineer in the Republic of Palau and gave a presentation on the "Challenges of the Palau Compact Road."

According to Morrison, the road being built in Palau under Corps of Engineers' supervision is badly needed and is changing the island nation's future for the better.

Palau, liberated by American forces in World War II, is the westernmost of Micronesia's Caroline Islands and a former U.S. Territory. Palau became independent in 1994 after signing a "compact of free association" with the United States.

According to Morrison, one of the key provisions of the compact was that the United States would build a 53-mile-long paved road on Babeldaob, the largest of Palau's more than 300 islands.

"Even though it is larger than all the other Palau islands combined, Babeldaob had almost no paved roads," he said. "It was impossible to drive from north to south if there had been any rain at all, and if you could drive, it was an eight to 10-hour trek - so most of the travel around the island was by boat."

The Department of the Interior "hired" the Corps of Engineers to manage the road's design and construction. Four Honolulu-based architectural-engineering firms collaborated on the design between 1994 and 1998 and the construction contract was awarded to Korea's Daewoo Corp. in 1999. Work began that year and is scheduled for completion this summer.

Building the road has presented a number of challenges, Morrison said, starting with the island itself.

"Palau is not as mountainous as, say, Hawaii. But it is hilly, with very steep terrain features," he said. "It's heavily vegetated, and because it's located in the tropics, rainfall is common and often heavy. There are numerous streams and rivers in all parts of the island which further compli-

cates the challenges of the project."

Another very real concern, Morrison said, was the significant amount of World War II ordnance still on the island.

"There was a lot of fighting here during the war and since this job started we've picked up more than 5,000 pieces of ordnance," he said.

Once the jungle was cleared and any ordnance was removed, the alignment was graded and the construction crews begin a "cut and fill" operation.

"That's basically where you cut the hills down and fill the valleys up," he said. "We've also had to deal with some 400 stream crossings, so there are a lot of drainage issues to deal with."

Seven major bridges had to be built along the road's route, Morrison said. Two cross ocean inlets and the others cross streams or rivers.

Given the extent of the construction and the pristine land and coastal environment, the Corps has been careful to enforce strict environmental standards.

"From an engineering and construction standpoint, this is as challenging as a road project could possibly be."

--Alex Morrison, Civil Engineer

"In terms of environmental planning and impacts, this road is being built to the same standards we would use if we were building it in California or Kansas," Morrison said. "The U.S. Environmental Protection Agency, the U.S. Fish and Wildlife Service and the National Marine Fisheries Service were all involved in the design phase, and their involvement has continued during the construction phase."

That same care has gone into every aspect of the project, Morrison said.

"Everyone involved with this takes great pride in it, both because we want to build the best road possible and because we are working against some tremendous odds," he said.

"From an engineering and construction standpoint, this is as challenging as a road project could possibly be."

While the road isn't yet complete, most of it is already in use, Morrison said.

"You can drive the entire route now, most of the distance on pavement with small sections still on dirt, but you can drive the entire 53 miles. And the journey that used to take an entire day, now takes



Alex Morrison, resident engineer, Palau Resident Office, presented the "Challenges of the Palau Compact Road" to members of the Hawaii engineering community Feb. 20 at the Hale Koa Hotel. Photo by Joseph Bonfiglio

two hours," he said.

"And that's one of the reasons why I find this project so fascinating. This road will give the people of Palau a level of access to their own land that they've never before had," he added. "This road will fundamentally change Palau's future and I appreciate the chance to be part of such an important effort."

The members of Hawaii's engineering community who met at the Hale Koa were impressed with Morrison's presentation.

"Fascinating account of a difficult project," said Dr. Amarjit Singh, professor of Engineering at the University of Hawaii at Manoa. "Engineers Week is a great opportunity to showcase the accomplishments of engineers such as the Palau Road Project."

Todd Barnes, chief of Engineering & Construction, Honolulu District, and his staff orchestrated the district's Engineers Week activities along with his other role as chairman of the HCES.

Honolulu District's Engineers Week activities:

- Hosting an Officer Professional Development Program for the 84th Engineer Battalion
- Providing an exhibit at Kahala Mall
- Participating in a proclamation signing ceremony with Honolulu Mayor Mufi Hannemann declaring the week of Feb. 19 - 24, 2007 as Engineers Week in Honolulu
- Participating in a proclamation signing ceremony with Hawaii Gov. Linda Lingle Feb. 8 declaring the week of February 19 - 24 as Engineers Week in the State of Hawaii.

POD Awards Silver DeFleury Medal to Oliva

The Chief of Engineers Lt. Gen. Carl A. Strock (left) presented a Silver Order of the deFleury Medal to SES Frank Oliva at his retirement ceremony held at Fort Shafter April 4.

Several other senior civilians were also honored at the ceremony. POD Commander Brig. Gen. John W. Peabody awarded Bronze Order of the deFleury Medals to: Chief, Military Integration Division Wendell Awada; Chief, Business Resource Division Rollie Laberge; Chief, Business Management Division James Ligh and Department of Defense Program Manager, POD Richard Torres.

Brig. Gen. John W. Peabody also awarded Military Planner Mitchell Glenn a Meritorious Service Medal and an Army Commendation Medal.

Photo by Joseph Bonfiglio



POD OC Chief Awarded Engineer Bronze DeFleury



Pacific Ocean Division Commander Brig. Gen. John W. Peabody (left) presented POD Chief, Office of Counsel, Vincent Faggioli with a Bronze Order of the deFleury Medal during Faggioli's farewell luncheon April 6 in the POD conference room.

Faggioli, who received the award along with his wife Karen, leaves POD with an appointment to the Senior Executive Service to become the Army Material Command deputy command counsel in Washington, D.C. Photo by Billie Erwin

TIG Provides Fast Response to Pentagon

Honolulu District Geographic Information System (GIS) Specialist Justin Pummell promptly responded on March 19 to a Pentagon-level technical information request from U.S. Pacific Command's J44 office - with the request originating from the offices of the Chairman, Joint Chiefs of Staff - in reference to the location of the Zukeyama Dam Relocation Project in Okinawa, Japan.

Pummell, who works in the district's Technical Integration Group (TIG), provided PACOM navigation descriptions, multiple maps and imagery to fulfill the high priority and short fused request.

"While Justin's response was played down by him as being a "normal" response and the opportunity arose through

some happenstance, this event effectively points out the potential value that TIG's capabilities can provide in almost all aspects of our work," said Todd Barnes, Honolulu District's Chief, Engineering & Construction.

The Engineering Division, Director for Logistics, Engineering and Security Assistance office at PACOM needed to pass the technical information on to a military staffer at the Pentagon. The CJCS staffer needed background on the Zukeyama Dam Relocation Project and reference of the dam in relation to Kadena AB's Gate 19.

Geographic Information System (GIS) is a collection of computer hardware, software, and geographic data for capturing, managing, analyzing, and displaying all

forms of geographically referenced information. GIS users can link information to location data such as people to addresses, buildings to parcels, or streets within a network.

"Our response to this request clearly demonstrates TIG's and Honolulu District's capability to respond quickly, accurately, and in a non-traditional method," Pummell said.

"It also shows we are here to support our customer, no matter how big or small the request is."

HED Holds Officer Development Program

The District held an Officer Development Program (ODP) Feb. 2 for 84th Engineer Battalion Soldiers. The Soldiers were given a tour of the Hydrant Fuel project at Hickam AFB. Ed Yago, acting resident engineer, briefed the project while HED Commander Lt. Col. Charles Klinge, HED Deputy Commander Maj. Robert Kroning and Program Manager Gordon Kuioka presented a "USACE 101" brief to the Soldiers. The ODP was held as part of Engineer Week. Courtesy photo



Regulatory Branch Gives Presentation



Regulatory Branch Chief George Young presented "Current Regulatory Issues" to district employees at Fort Shafter Feb. 6. Topics covered included Clean Water Act jurisdiction, compensatory mitigation requirements, and the renewal of the Nationwide Permit program. The Corps' Regulatory Program helps protect the nation's aquatic resources and environment, including wetlands. Photo by Sarah H. Cox

Environmental Technical Branch Hosts Preservation of Historic Structures Seminar



Historic Architect Horace H. Foxall, Jr. from the Seattle District Center of Expertise presented "Preservation of Historic Structures and Buildings" to district employees March 12. Foxall's presentation provided valuable information on the district's role in enforcing the National Historic Preservation Act, Section 106. Photo by Sarah H. Cox

MATHCOUNTS: Reaching Out to Local Youth

Tony Paresa, deputy chief, Programs and Projects Management served as a proctor for the local MATHCOUNTS competition, which encourages youth to develop their math skills. Other POH volunteers included: Kevin Araki, Todd Barnes, Jo Anne Brostrom, Tom Goto, David Kam, Donna Kanetake, Dayna Kawakami, Dickson Ma, Jonathan Mamiya, Louis Muzzarini, Connie Ramsey, Darren Walls and Ed Yoshimura. Several more volunteered for the statewide competition, in March including: Anne Chang, Eric Li and Mike Onuma. Courtesy photo



Employees of the Month

January



Beverly Candelario, Engineering Technician, is a key player in the Technical Support Branch/Regional Technical Center, she quickly and efficiently processes and distributes design and construction packages for review and tracks all effort. She reminds team mates as suspenses approach and collects all completed work and distributes to the appropriate Project Delivery Team (PDT) members. She goes above and beyond the normal scope of her job. She is proactive and understands the heavy burden placed on Project Managers (PM) and ensures timely and accurate delivery of our services. She is a key player in Pacific Ocean Division's success.

Jessica Hays, Coastal Engineer, is cited for her excellent work as Technical Lead for the Monitoring of Completed Navigation Projects (MCNP) for Kaunalapau Harbor. Her work included destructive testing of a 35-ton Core-Loc unit at Campbell Industrial Park and will include three dimensional imaging of the breakwater structure after completion of construction. She is also required to present technical papers on her findings to the Coastal community. She also did extensive work on the Regional Sediment Management (RSM) program for Southeast Oahu including hosting a technical workshop and running numerical models of coastal processes in the study area. She also is a member of the Base Development Team and is always on call. She does her job in a highly professional manner and is deserving of this award.

January



February



Marc Murashige, Structural Engineer, provides technical support in design review and during construction. He is always willing to support our team by going beyond his primary responsibilities. In February, Engineering Services Branch requested his support in negotiating several contracts. While not a part of his job, he stepped forward without hesitation. Marc also volunteered to participate as a Base Development Team (BDT) member. Also when EMD requested his support to inspect State of Hawaii facilities damaged by the October 2006 earthquakes, he again volunteered without hesitation. He has shown exceptional flexibility and dedication in his ability to step outside of his normal duties and support the team in any way he is able.

Susan Chun, Support Assistant, has unflinchingly taken on the majority of tasks that the former paralegal performed, including managing the Office of Counsel's budget, performing CEFMS taskings, and assisting counsel in their litigation. She organized thousands of pages of documents in two ASBCA appeals, coordinated on court reporter support at depositions, assisted in contracting for and arranging travel for the government's technical expert, and provided invaluable assistance to an Office of Counsel attorney who was on the road for several weeks and had to make numerous changes to his travel due to developments that occurred in the case. Her dedication, consistently going the extra mile, and her pleasant demeanor bring great credit upon the Corps of Engineers Honolulu Engineer District.

February



February



Steve Paahana, Logistics Technician, is recognized for the many outstanding work orders he completes to keep up with the ever increasing daily workload. He willingly accepts the calls for last minute or emergency requirements. He also takes the initiative in completing these tasks. He has undertaken work orders assignments which were assigned to other crew members to ensure that the mission is accomplished and often reacts to emergency requirements, before work hours even begin including elevator, window air conditioners and split air conditioner system breakdowns. Steve continues to take the tasks, even when he knows that it will go beyond his work hours and/or into the weekend.

Jenny Masunaga, Attorney, is recognized for her outstanding and proactive work regarding legal and contractual assistance to the Civil Works and Interagency/International Services programs. She has served as an integral PDT member on virtually all work in these programs that requires legal interpretation and recommendations. Her helpfulness is not restricted to legal matters but often has a direct bearing on effective project management and responsiveness to customer needs. For the most important CW construction project underway, the Kaunalapau Harbor project, she was directly involved in negotiations between the Government and the prime and sub-contractors. She consistently conducts herself in a pleasant and professional manner and has been a truly great asset to the organization.

March



March



Dorinda Won, Civil Engineer, is an invaluable resource for virtually any task that surfaces in the District. She is a straight talker with a talent to write unambiguous contract language heading off potential problem areas during construction. Her participation in PDTs has made a significant difference time and time again. The most recent example of PDT work involved POH's own project, the relocation of existing offices within Bldg 230 along with the addition of new POH occupants from Bldg 525. To the existing system furniture components, she meticulously compiled the list of new components to be purchased for the reconfiguration. It took Dorinda's clear-headed solutions to move numerous road-block issues. No one could have come up with better solutions.

Aloha



Congratulations to POD's Regional Business Director SES Frank Oliva on his retirement after a distinguished 40-year government career.



Aloha to Vince Faggioli, chief, Office of Counsel, POD, who has been appointed to the Senior Executive Service to become the new AMC deputy command counsel. Vince and his family will relocate to Washington, D.C.



Congratulations to Jane Shimonishi, Administrative Specialist to the POD commander, on her retirement from 45 years of distinguished government service.



Congratulations to Project Manager Rodney Leong on his retirement. He began his career in 1977 as an engineer intern for the 8th U.S. Army Engineers.



Aloha to HED Executive Office administrative support assistant Fran Kruse on her promotion to executive assistant at IMCOM, Pacific Region at Fort Shafter.



Congratulations to Civil Engineer Rey Braga on his retirement from 32 years of public service. Rey joined the District in 1983 after serving on active duty and civil service with the Los Angeles and the Far East Districts.



Congratulations to Mechanical Engineer Reynold Chun for becoming a Leadership in Energy and Environmental Design (LEED) Accredited Professional.



Welcome back Cartographer Josette Pullen from a four-month deployment to Kabul, Afghanistan to support the Global War on Terror.



Aloha to Ike Borja who is serving a six-month deployment to Iraq. He is serving as administrative assistant, Gulf Region, Central District, Iraq and hopes to return to Honolulu in June.



Aloha to Civil Engineer Matthew Rowe who is serving a six-month tour in Afghanistan providing services to Afghanistan Engineer District in Kandahar and Tarin Kowt.

Wayne Hughes 1950-2007



Longtime Corps employee Wayne Hughes passed away Feb. 13 in Japan. He served the U.S. Government for more than 39 years, including 24 years of active duty as well as civilian service to the Japan, Far East and Honolulu Engineer Districts. The district sends condolences to his wife and son.

"Top 60 Club"



Several project managers recently received perfect scores on customer surveys and thus have been inducted into the "Top 60 Club." Pictured with HED Deputy Engineer Maj. Robert Kroning (center) from left to right: Alex Morrison, Gerald Young, Rodney Leong, Jody Yoshishige and Gayle Oshiro. Their names will be added to the Top 60 plaque on display in Bldg. 230.

Holiday Fundraisers Get an Early Start



The Command Holiday Party Committee has already started planning for the 2007 event by hosting a bento sale which netted approximately \$300. From left to right: Millie Arzaga, Jessie Dobinchick, Marsha Phillips, Lauren Lau, Polly Bjorken, Eric Bjorken, Myran Higa and Susan Chun.

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