

LĪPOA NEWS

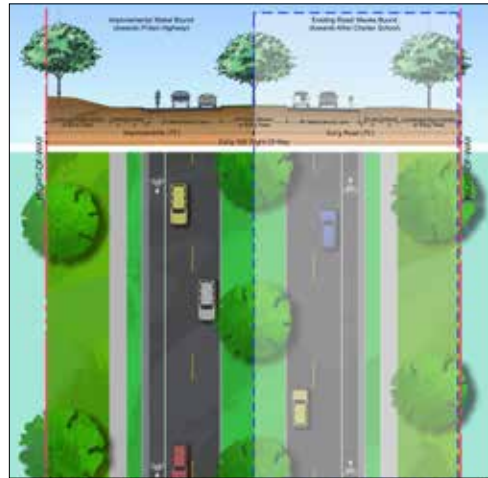
SPRING 2024

CONSTRUCTION AT LĪPOA

LĪPOA PARKWAY IMPROVEMENTS

Expansion of Lipoa Parkway to a four-lane roadway continues to make progress. As part of the roadway work, Goodfellow Bros. is working with Hawaiian Electric Company to install electric lines and streetlights. Thereafter, sidewalks and landscaping will be installed. Paving the new roadway is expected in April.

Lipoa Parkway's new makai-bound traffic lanes from Holopono Street to Hālelea Street is targeted for completion by the end of May.



HALEAKALA GREENS SUBDIVISION

Construction continues at LĪPOA's three newly created commercial lots, each comprised of approximately 5, 9, and 11 acres.

All water, electric, communication, sewer and drainage utilities have been extended along the new segments of South Ninau Street and South Holopono Street.

Goodfellow Bros. crew recently completed curb and gutter installation, as well as sidewalks along South Holopono Street. Paving of the extensions of South

Ninau Street and South Holopono Street is planned for the upcoming month with the subdivision expected to be completed by June of this year.



View from future development area of LĪPOA

INNOVATORS CORNER

TIARE MARTIN



Born and raised in Hawai'i, Tiare K. Martin graduated from the

Kamehameha Schools, Kapalama Campus, and then earned her bachelor's degree in electrical engineering from the University of San Diego. Martin began her career as an engineer at Raytheon's Space and Airborne Systems Center in California. When she decided to return home, she was drawn to Maui because of Maui's high-tech park, LĪPOA. Martin became the Maui Site Manager for Oceanit, a locally owned company specializing in creation of disruptive technologies, then joined the Vanguard Maui High Performance Computing Center as a program manager in 2017 and became the Executive Director in 2021. Since then, Martin has helped to grow the team from 27 employees to 52 by leveraging project successes; 70 percent of the team is from Hawai'i. Martin is deeply committed to building a robust technology sector in Hawaii, fostering economic diversification and sustainable growth to ensure a brighter and more resilient future for the islands.

LĪPOA SPOTLIGHT:

APPLIED RESEARCH LABORATORY AT THE UNIVERSITY OF HAWAII

VITAL RESEARCH TO PROTECT THE PACIFIC

In today's digital era, high-performance computing isn't just a tool—it's the cornerstone of progress, innovation, and security. From aiding in critical decisions to defending against cyber threats, its role is vital to help formulate effective strategies to navigate local and global challenges.

The Applied Research Laboratory at the University of Hawaii (ARL at UH) operates the Maui High Performance Computing Center (MHPCC) which provides essential engineering, research, and development capabilities in high performance computing for the Department of Defense (DoD). The late U.S. Senator Daniel K. Inouye was the driving force behind the establishment of the MHPCC in 1993, making it a keystone of innovation in LĪPOA ever since. "It's an honor to be a steward of Senator Inouye's visionary legacy, working alongside my team and fellow LĪPOA leaders, to advance the high-tech industry here in Hawaii." said Tiare K. Martin, Executive Director of the MHPCC Vanguard Center for High Performance Computing.

ARL at UH is a Navy-sponsored University-Affiliated Research Center which conducts research, development, testing and evaluation (RDT&E), across the state, addressing

challenging national defense needs in areas such as Ocean Research, Astronomy, Sensor Development, Renewable Energy, Public Service, and Remote Sensing – which includes high-performance computing.

Drawing on its expertise in high-performance computing, ARL at UH developed a secure cutting-edge system aimed at digitizing engineering workflows for the DoD. Known as 'LIFT', this innovative system enhances collaboration, communication, efficiency, and security for the DoD. With its notable capabilities, LIFT has attracted an extensive user base, possessing over 15,000 engineers.

Addressing the critical need for cybersecurity in the Pacific, ARL at UH actively spearheaded solutions. The deployment of a cutting-edge computing system to support the United States Indo-Pacific Command and the U.S. Fleet Cyber Command as part of the Pacific Ecosystem for Cybersecurity (PECoC) initiative is a testament to ARL at UH's capabilities and expertise in modernizing high-performance computing.

The ARL at UH fosters the next generation of Science, Technology, Engineering and Mathematics (STEM) professionals and nurtures a



pipeline for Hawai'i's students to pursue careers in STEM via internships. Students gain real-world experience with realistic and relevant tasks, project-based learning, and participation in field exercises. The internships provide training in RDT&E while simultaneously advancing general skills including technical writing, engineering design, preparation and delivery of professional presentations, and operational health and safety. In the last five years, ARL at UH has mentored 76 student interns across the state.

To learn more about ARL at UH, visit <https://arl.hawaii.edu/>

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OFFICE: 808-874-5263 | INFO@LIPOAMAUI.COM | WWW.LIPOAMAUI.COM
1300 N. HOLOPONO ST, SUITE 201, KIHEI, MAUI, HI 96753



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