

County of Hawaii Professional Services During the Fiscal Year 2025 – 2026, Beginning July 2025

June 30, 2025

Department of Housing and Community Development OH.6) General Engineering (Project Manager)*

Submitted by:

2153 North King Street, Suite 201

Honolulu, Hawaii 96819

Tel (808) 941-0577 | Fax (808) 945-2646

postmaster@rnsha.com



Ronald N.S. Ho & Associates
ELECTRICAL ENGINEERING



Ronald N.S. Ho & Associates
ELECTRICAL ENGINEERING

June 30, 2025

Housing and Community Development
County of Hawaii
1990 Kino'ole Street, Suite 102
Hilo, HI 96720
Attention: Ms. Kehaulani M. Costa, Administrator

Subject: Professional Services During the Fiscal Year 2025–2026

Dear Ms. Costa,

Ronald N.S. Ho & Associates, Inc. would like to be considered to provide professional engineering services for the following category.

OH.6) General Engineering (Project Manager)*

We have enclosed our Statement of Qualifications for your review. Should you have any questions regarding our submittal, please feel free to contact me by email at ssugai@rnsha.com or by telephone at (808) 941-0577.

Sincerely,

Sean K. Sugai, PE
President

SKS/jc
Enclosure



Standard Form 330

ARCHITECT-ENGINEER QUALIFICATIONS

PART I – CONTRACT-SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

1. TITLE AND LOCATION *(City and State)*

Professional services during fiscal year 2025-2026, beginning approximately July 2025
Office of Housing and Community Development: OH.6) General Engineering (Project Manager)*

2. PUBLIC NOTICE DATE

June 1, 2025

3. SOLICITATION OR PROJECT NUMBER

25-26

B. ARCHITECT-ENGINEER POINT OF CONTACT

4. NAME AND TITLE

Sean K. Sugai, PE, President

5. NAME OF FIRM

Ronald N.S. Ho & Associates, Inc.

6. TELEPHONE NUMBER

808-941-0577

7. FAX NUMBER

808-945-2646

8. EMAIL ADDRESS

postmaster@rnsha.com

C. PROPOSED TEAM

(Complete this Section for the Prime Contractor and all Key Subcontractors.)

	(Check)			9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
	PRIME	JV PARTNER	SUB-CONTRACTOR			
a.	☒	☐	☐	Ronald N.S. Ho & Associates, Inc. ☐ CHECK IF BRANCH OFFICE	2153 N. King Street, Suite 201 Honolulu, Hawaii 96819	Electrical Engineering
b.	☐	☐	☐	☐ CHECK IF BRANCH OFFICE		
c.	☐	☐	☐	☐ CHECK IF BRANCH OFFICE		
d.	☐	☐	☐	☐ CHECK IF BRANCH OFFICE		
e.	☐	☐	☐	☐ CHECK IF BRANCH OFFICE		
f.	☐	☐	☐	☐ CHECK IF BRANCH OFFICE		

D. ORGANIZATIONAL CHART OF PROPOSED TEAM

☐ *(Attached)*



ARCHITECT-ENGINEER QUALIFICATIONS

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Steven H. Sakai, PE	13. ROLE IN THIS CONTRACT Principal	14. YEARS EXPERIENCE a. TOTAL 40 b. WITH CURRENT FIRM 39	
15. FIRM NAME AND LOCATION (City and State) Ronald N.S. Ho & Associates, Inc., Honolulu, Hawaii			
16. EDUCATION (Degree and Specialization) Bachelor of Science, Electrical Engineering		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Hawaii, Electrical Engineer #7637	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Institute of Transportation Engineers and Building Industry Consulting Services, International, Inc.			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State) Kaiaulu Keauhou Master Plan & Infrastructure Assessment Keauhou, Hawaii	(2) YEAR COMPLETED PROFESSIONAL SERVICES Ongoing CONSTRUCTION (if applicable) Ongoing	
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Principal. SCOPE: Provide electrical engineering services to develop an electrical and telecom master plan, and utility assessment report and exhibits for the 1,315-acre Kahaluu Keauhou Regenerative Development which are part of the Kamehameha Schools Keauhou Land holding on the Big Island of Hawaii. COST: N/A		
(1) TITLE AND LOCATION (City and State) Kaiaulu O Kupuohi Lahain, Maui, Hawaii	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2021 CONSTRUCTION (if applicable) 2022	
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Principal. SCOPE: RNSHA provided design services for underground electrical and communications infrastructure for a 105-unit A-2 zoned, live-work development. The design includes a parking lot lighting system. Services included assisting with agency reviews, specifications, cost estimates and during construction. COST: \$64.4 million		
(1) TITLE AND LOCATION (City and State) County of Kauai, DPW, Building Division Lihue Town Core Mobility and Revitalization Project, Federal-Aid Project No. TGR-0700 Lihue, Hawaii	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2019 CONSTRUCTION (if applicable) 2020	
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Principal. SCOPE: RNSHA provided design, permitting, and construction services required to improve vehicle, pedestrian, public transit, and bicycle circulation throughout Lihue's town core. Work consisted of reconstruction and widening of traffic lanes; construction of turning lanes, sidewalks, bike lanes, bus bays, curb ramps and curb extensions; reconfiguration of parking and pedestrian access; drainage improvements; utility adjustments; signing and striping; intersection improvements, including traffic signal relocation; traffic control, and permit compliance. COST: \$14 million		
(1) TITLE AND LOCATION (City and State) Keaau-Pahoa Road Intersection Improvements Pahoa, Hawaii	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2019 CONSTRUCTION (if applicable) 2019	
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Principal. SCOPE: RNSHA provided electrical engineering design for the disconnect and removal of overhead electrical and lighting; new roadway lighting, new electrical metering and distribution, signage, adjustment/relocation of utilities. COST: \$5 million		



ARCHITECT-ENGINEER QUALIFICATIONS

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Dennis Toba, PE, LEED AP	13. ROLE IN THIS CONTRACT Principal	14. YEARS EXPERIENCE a. TOTAL 34 b. WITH CURRENT FIRM 27	
15. FIRM NAME AND LOCATION (City and State) Ronald N.S. Ho & Associates, Inc., Honolulu, Hawaii			
16. EDUCATION (Degree and Specialization) Bachelor of Science, Electrical Engineering		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Hawaii, Electrical Engineer #10569	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) LEED AP, 2006; Illuminating Engineering Society (IES), 2012; Training: Electrical Safety NFPA 70E W/Arc Flash Protection, 2011			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Kona International Airport Terminal Modernization Phase 1 Kalaoa, Hawaii	PROFESSIONAL SERVICES 2020	CONSTRUCTION (if applicable) 2020
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm a. ROLE: Principal. SCOPE: RNSHA provided the design for the expansion of the Kona International Airport Terminal. The design included new primary/secondary electrical service and distribution, ADA compliant fire alarm system, telephone and data systems, public address system, gate management system, baggage information display systems, flight information display systems, CCTV camera systems, apron lighting, and exterior/interior lighting systems. COST: \$80 million		
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Kamehameha Schools Hawaii Keaau Electrical Power Assessment Keaau, Hawaii	PROFESSIONAL SERVICES 2019	CONSTRUCTION (if applicable) N/A
b. ROLE: Principal. SCOPE: RNSHA assessed the electrical distribution of the entire campus which included a primary high voltage service from Hawaii Electric Light Company (HELCO), primary distribution transformers, secondary services to each building and power distribution within each building. The assessment identified the lack of lightning protection for the critical main switchgear building, obsolete and damaged surge protection devices, and provided recommendations and cost estimates to repair and upgrade the lightning and surge protection systems. COST: N/A		
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
DOT Airports Electrical Open End Statewide, Hawaii	PROFESSIONAL SERVICES 2019	CONSTRUCTION (if applicable) 2024
c. ROLE: Principal. SCOPE: RNSHA provided electrical engineering services statewide for all airports. The work involved providing electrical engineering services for electrical and SCADA upgrade preliminary engineering reports, one-line diagram verifications, and energy services measurement and verification report reviews, and designs for lightning warning system, fire alarm replacements, emergency lighting repairs, and runway guard lights. COST: N/A		
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Kulanihako'i High School Pedestrian Bridge Kihei, Maui, Hawaii	PROFESSIONAL SERVICES 2018	CONSTRUCTION (if applicable) 2019
d. ROLE: Principal. SCOPE: Provided the electrical design of the pedestrian bridge which included a metered MECO service, lighting, and the relocation of existing highway lighting, handholes, and ductlines. COST: \$10.5 Million		



ARCHITECT-ENGINEER QUALIFICATIONS

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Billy J. Ornellas, PE	13. ROLE IN THIS CONTRACT Principal	14. YEARS EXPERIENCE	
		a. TOTAL 24	b. WITH CURRENT FIRM 24
15. FIRM NAME AND LOCATION (City and State) Ronald N.S. Ho & Associates, Inc., Honolulu, Hawaii			
16. EDUCATION (Degree and Specialization) Bachelor of Science, Electrical Engineering		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Hawaii, Electrical Engineer #11658	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Training: Electrical Safety NFPA 70E W/Arc Flash Protection			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Ellison Onizuka Kona International Airport at Keahole Federal Inspection Service Building (FIS), Keahole, Hawaii	PROFESSIONAL SERVICES 2021	CONSTRUCTION (if applicable) 2021
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Principal. SCOPE: RNSHA provided electrical engineering design for a 32,700 SF building entry point, and 7,000 SF airport gate. The design included utility electrical and telecom services, emergency generator, interior electrical distribution systems and emergency power for the facility's critical systems, fire alarm, public address system, lighting and lighting control systems, modification of the taxiway lighting at Ramp A/B, apron lighting, lightning protection, and the relocation of a guard shack. (Designed for LEED certification). COST: \$58.7 Million		
County of Hawaii Hai Hai Fire Station South Hilo, Hawaii	PROFESSIONAL SERVICES 2020	CONSTRUCTION (if applicable) 2020
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Project Manager. SCOPE: RNSHA provided electrical engineering design for new electrical, telecommunications, and lighting distribution systems, fire alarm system, and PA system. Design services included CATV, and PV System. COST: \$7.5 million		
Hilo Airport Fire Alarm Replacement Hilo, HI	PROFESSIONAL SERVICES 2020	CONSTRUCTION (if applicable) 2020
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Project Manager. SCOPE: RNSHA provided the design for new electrical services for site lighting, interior power, signal and lighting systems, emergency generator, fire alarm, automated door controls, and radio communications. Commercial kitchen facilities were also included as part of this LEED Silver Project. COST: N/A		
Waimea District Regional Park, Phase 1 Site Design Waimea, HI	PROFESSIONAL SERVICES 2018	CONSTRUCTION (if applicable) 2021
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Project Manager. SCOPE: RNSHA provided electrical engineering design for electrical and telecommunications systems, exterior lighting, playcourt and park access road. The project design included a dual-port level 2 EV charger. COST: N/A		
Ka'ie'ie Mauka Facility Improvements Hilo, HI	PROFESSIONAL SERVICES 2018	CONSTRUCTION (if applicable) 2021
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Project Manager. SCOPE: RNSHA provided electrical engineering design for a new booster station at an existing well site. Electrical work included booster pump electrical equipment, pump controls and instrumentation, and chlorination system. Work also included power, lighting, and security for a new booster station building. COST: \$233,000 (electrical)		



ARCHITECT-ENGINEER QUALIFICATIONS

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME George D. Takase, PE	13. ROLE IN THIS CONTRACT Principal	14. YEARS EXPERIENCE	
		a. TOTAL 20	b. WITH CURRENT FIRM 20
15. FIRM NAME AND LOCATION (City and State) Ronald N.S. Ho & Associates, Inc., Honolulu, Hawaii			
16. EDUCATION (Degree and Specialization) Bachelor of Science, Electrical Engineering		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Hawaii, Electrical Engineer #13741	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Training: Electrical Safety NFPA 70E W/Arc Flash Protection			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
a. Waiehu Housing Kihei, Maui, Hawaii	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) Ongoing
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Principal. SCOPE: Provide electrical engineering services for a schematic design of the Waiehu Housing Development. COST: N/A		
b. Kaiāulu O Halele'a Affordable Housing Phase 1 Kihei, Maui, Hawaii	PROFESSIONAL SERVICES 2020	CONSTRUCTION (if applicable) 2024
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Project Manager. SCOPE: Provided electrical design for Four Residential Building Types (4) 8-plex, totaling 64 units, a community center, and office building. The design included electrical and communication service equipment, unit feeders, fire alarm devices and exterior lighting. COST: \$62,000,000		
c. Lanihau Landscape Meters Kailua-Kona, Hawaii	PROFESSIONAL SERVICES 2022	CONSTRUCTION (if applicable) 2023
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Project Manager. SCOPE: RNSHA provided electrical engineering design for the installation of four HELCO meter pedestals for irrigation control and landscape lighting. Meter pedestals were located on Kimo Drive and Kaula'ili Street, adjacent to Queen Ka'ahumanu Highway. COST: N/A		
d. Kaiaulu O Waikoloa Waikoloa, Hawaii	PROFESSIONAL SERVICES 2020	CONSTRUCTION (if applicable) 2022
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Project Manager. SCOPE: RNSHA provided electrical engineering design services for site infrastructure and interior design for a new 60-unit low rise affordable rental subdivision. Coordinated design with Hawaii Electric Light Company, Hawaiian Telcom, Spectrum and County of Hawaii. COST: \$24 million		
e. Kaumana Elementary School Hilo, Hawaii	PROFESSIONAL SERVICES 2018	CONSTRUCTION (if applicable) 2018
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Project Manager. SCOPE: RNSHA provided electrical design for the replacement of electrical service equipment and cabinet for Kaumana Elementary School. Services included assistance with acquiring electrical service and processing. COST: N/A		



ARCHITECT-ENGINEER QUALIFICATIONS

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Scott Shiraishi, PE, LEED AP BD+C	13. ROLE IN THIS CONTRACT Associate Principal	14. YEARS EXPERIENCE	
		a. TOTAL 17	b. WITH CURRENT FIRM 14
15. FIRM NAME AND LOCATION (City and State) Ronald N.S. Ho & Associates, Inc., Honolulu, Hawaii			
16. EDUCATION (Degree and Specialization) Bachelor of Science, Electrical Engineering		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Hawaii, Electrical Engineer #14753	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Certification: LEED AP BD+C, 2011			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Kaiaulu Keauhou Master Plan & Infrastructure Assessment Keauhou, Hawaii	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) Ongoing
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Project Manager. SCOPE: Provide electrical engineering services to develop an electrical and telecom master plan, and utility assessment report and exhibits for the 1,315-acre Kahaluu Keauhou Regenerative Development which are part of the Kamehameha Schools Keauhou Land holding on the Big Island of Hawaii. COST: N/A		
DHHL 91-1071 Yorktown Building Rehabilitation Kalaehoa, Kapolei, Hawaii	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) Ongoing
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Project Manager. SCOPE: Provide electrical design services for a residential building with 20 studio units, 18 additional dwelling units, an administration office, and a laundry room. Design power distribution, fire alarm systems, lighting, telecoms, and conduit pathways for pre-wired security and access control. COST: N/A		
Lahaina Temporary Housing Site Roadway Lighting Lahaina, Maui, Hawaii	PROFESSIONAL SERVICES 2024	CONSTRUCTION (if applicable) 2024
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Project Manager. SCOPE: RNSHA designed the underground electrical infrastructure and roadway lighting for approximately 3,500 linear feet of temporary housing roadway east of Fleming Rd. The design also extended conduit and conductors from an electrical panelboard specified in the roadway plans. Deliverables featured detailed illumination points, roadway light placements, and a summarized table of illumination metrics. COST: N/A		
HDOT Ala Aolani Street Crosswalk Illumination Assessment Honolulu, Hawaii	PROFESSIONAL SERVICES 2021	CONSTRUCTION (if applicable) N/A
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Project Manager. SCOPE: RNSHA provided electrical engineering services performing nighttime illumination assessment for the crosswalks at the intersection of Ala Aolani Street and Ala Napunani Street. Services included recommendations for proposed street lighting to enhance illumination levels in crosswalks that were deemed deficient based on the nighttime assessment and electrical cost estimate. COST: N/A		
Salt Lake Boulevard Widening, Phase 3 Honolulu, Hawaii	PROFESSIONAL SERVICES 2020	CONSTRUCTION (if applicable) Ongoing
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Project Manager. SCOPE: RNSHA provided electrical design for overhead utility relocation of the electric and telecommunication lines along Salt Lake Blvd. from Ala Lilikoi Street to Maluna Street. The design includes an underground street light system, traffic signal interconnect duct system, and relocation of underground AT&T infrastructure impacted by the project. COST: \$4 Million		



ARCHITECT-ENGINEER QUALIFICATIONS

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Jenson J. Santos, PE, CCM	Senior Project Manager	19	17

15. FIRM NAME AND LOCATION (City and State)

Ronald N.S. Ho & Associates, Inc., Honolulu, Hawaii

16. EDUCATION (Degree and Specialization)

Bachelor of Science, Electrical Engineering

17. CURRENT PROFESSIONAL REGISTRATION
(State and Discipline)

Hawaii, Electrical Engineer #14286

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Construction Management Association of America, Hawaii Chapter #179495

Training: Electrical Safety NFPA 70E W/Arc Flash Protection, 2011; Construction Quality Management Training (USACE/NAVFAC); Safety & Health Training for Small Business

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	Kona International Airport USDA Inspection Building Kalaoa, Hawaii	2021	2022
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Project Manager. SCOPE: RNSHA provided electrical design for a new USDA Inspection Building at the Kona International Airport. The design included interior and exterior lighting system, new baggage handling equipment, ADA compliant fire alarm devices, and lightning protection system. COST: \$ 8.5 million		
b.	County of Hawaii Replace Pauahi Bridge in Hilo Hilo, Hawaii	2018	2018
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Project Manager. SCOPE: RNSHA provided electrical engineering design services for new conduits. The design included temporarily relocating existing conduits. Services included site investigation and existing record review; utility coordination; assist with coordination, permit review, and providing response to contractor RFI during construction. COST: N/A		
c.	Kalia Road/ Maluhia Road Intersection Improvements Honolulu, Hawaii	2018	2021
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Project Manager. SCOPE: RNSHA provided electrical design to modify the existing intersection from a corner-to-corner crossing to a barn walk (pedestrian scramble) crossing. The design included the replacement of existing traffic signal heads and control cabinet, new underground traffic signal duct system, new solar powered radar speed sign; and realigned the grand stairs from Hale Koa Hotel. COST: \$1.6 Million (Electrical)		
d.	Kaaawa Fire Station Communication Facility Improvements and Tower Replacement, Kaaawa, Hawaii	2017	2020
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Project Manager. SCOPE: RNSHA provided the electrical and communications infrastructure design for a new antenna tower and the electrical engineering design for the replacement of the existing emergency generator and emergency distribution system that supports the Communication facility and the Kaaawa Fire Station. COST: \$5 Million (Electrical)		



ARCHITECT-ENGINEER QUALIFICATIONS

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Andrew Izawa, PE	Project Manager	a. TOTAL 9	b. WITH CURRENT FIRM 5
15. FIRM NAME AND LOCATION (City and State) Ronald N.S. Ho & Associates, Inc., Honolulu, Hawaii			
16. EDUCATION (Degree and Specialization) Bachelor of Science, Electrical Engineering Master of Science, Electrical Engineering		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Hawaii, Electrical Engineer #19341	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Electrical Safety 70E W/ Arc Flash Protection			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State) DOTA Hilo Airport One-Line Diagram Hilo, HI	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2024	CONSTRUCTION (if applicable) Ongoing
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Electrical Engineer. SCOPE: RNSHA currently provides electrical engineering design for a new passenger lounge at the HNL airport's Mauka Extension. The design included telecommunications, security, and A/V infrastructure systems including power distribution, lighting, and fire alarm system connections. COST: N/A		
(1) TITLE AND LOCATION (City and State) Department of Hawaiian Home Lands Kau Water System Improvements, Kau, Hawaii	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) Ongoing
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Electrical Engineer. SCOPE: RNSHA provided the design for incoming electrical service to the site. The design included new telemetering and equipment, SCADA Ready system. Services also included assistance with building permits and during construction. COST: N/A		
(1) TITLE AND LOCATION (City and State) Kahului Emergency Generator Preliminary Design Report (PDR) Kahului, Maui, Hawaii	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2023	CONSTRUCTION (if applicable) 2024
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Electrical Engineer. SCOPE: RNSHA provided electrical engineering services for the identification of upgrades to Kahului Airport's existing standby generator system to accommodate upcoming projects. These projects include those related to gates, checkpoint, baggage claim, and apron lighting improvements. COST: \$9.65 Million		
(1) TITLE AND LOCATION (City and State) Kahului SCADA Replacement Preliminary Design Report (PDR) Kahului, Maui, Hawaii	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2023	CONSTRUCTION (if applicable) 2024
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Electrical Engineer. SCOPE: RNSHA provided electrical engineering services for the identification of upgrades and repairs necessary to restore general functionality to Kahului Airport's Supervisory Control and Data Acquisition System (SCADA), including relay and controller replacements, batteries, and instrument transformers. COST: \$7.77 Million		
(1) TITLE AND LOCATION (City and State) Hawaii Public Housing Authority Redevelopment School Street Phase 1A Residential Building, Honolulu, Hawaii	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2023	CONSTRUCTION (if applicable) 2023
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Electrical Engineer. SCOPE: RNSHA currently provides electrical engineering design for extension of the existing electrical and telecommunications utility services from across School Street to the project site. Design services include electrical, telecommunications, and fire alarm infrastructure within the project site; new 250 unit, 17-story residential building. COST: \$110 Million		



ARCHITECT-ENGINEER QUALIFICATIONS

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Scott Lee, PE, LEED AP	13. ROLE IN THIS CONTRACT Project Manager	14. YEARS EXPERIENCE	
		a. TOTAL 33	b. WITH CURRENT FIRM 33
15. FIRM NAME AND LOCATION (City and State) Ronald N.S. Ho & Associates, Inc., Honolulu, Hawaii			
16. EDUCATION (Degree and Specialization) Bachelor of Science, Electrical Engineering		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Hawaii, Electrical Engineer #10038	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Certification: LEED AP, 2009; Training: Electrical Safety 70E W/ Arc Flash Protection			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State) Honolulu Rail Transit Project – City Center Utility Relocation Honolulu, Hawaii	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) Ongoing
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Electrical Engineer. SCOPE: RNSHA is designing electrical and communication duct systems including plan and profile for underground relocations required to clear the guideway right-of-way and support column locations. Designing modifications to existing lighting and traffic signal systems along guideway route. COST: \$12.0 Million		
	(1) TITLE AND LOCATION (City and State) DRH Farrington Highway Widening Kapolei, Hawaii	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2022	CONSTRUCTION (if applicable) 2024
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Project Manager. SCOPE: RNSHA provided electrical design coordination services for two separate design packages along Farrington Highway. Package #1-Kapolei Golf Course Access Road to Kalo Gulch and Package #2 -Kalo Gulch to Fort Weaver Road. Design services include street lighting, highway lighting, traffic signal duct systems, signalization and traffic signal communications, CCTV camera, hub installation, and the relocation of overhead joint utility pole line and underground utility facilities within the existing right-of-way. Services include assistance with approval processing and coordination. COST: \$35 Million		
	(1) TITLE AND LOCATION (City and State) County of Kauai, Department of Public Works, Building Division Lihue Town Core Mobility and Revitalization Project, Federal-Aid Project No. TGR-0700, Lihue, Hawaii	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2019	CONSTRUCTION (if applicable) 2020
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Electrical Engineer. SCOPE: RNSHA provided design, permitting, and construction services required to improve vehicular, pedestrian, public transit, and bicycle circulation throughout Lihue's town core, including Eiwa Street, Rice Street, Kalena Street, Hoala Street, Hoolako Street, Puaole Street, Malae Street, and Umi Street. Work consists of, but is not limited to, reconstruction and widening of traffic lanes; construction of turning lanes, sidewalks, bike lanes, bus bays, curb ramps and curb extensions; reconfiguration of parking and pedestrian access; drainage improvements; utility adjustments; signing and striping; intersection improvements, including traffic signal relocation; traffic control, and permit compliance. COST: \$14 Million		
	(1) TITLE AND LOCATION (City and State) Keaau-Pahoa Road Intersection Improvements Pahoa, Hawaii	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2019	CONSTRUCTION (if applicable) 2019
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Electrical Engineer. SCOPE: RNSHA provided electrical engineering design for the disconnect and removal of overhead electrical and lighting; new roadway lighting, new electrical metering and distribution, signage, adjustment/relocation of utilities. COST: \$5 million		



ARCHITECT-ENGINEER QUALIFICATIONS

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Ryan Karamatsu, PE, LEED AP	13. ROLE IN THIS CONTRACT Project Manager	14. YEARS EXPERIENCE	
		a. TOTAL 17	b. WITH CURRENT FIRM 17
15. FIRM NAME AND LOCATION (City and State) Ronald N.S. Ho & Associates, Inc., Honolulu, Hawaii			
16. EDUCATION (Degree and Specialization) Bachelor of Science, Electrical Engineering		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Hawaii, Electrical Engineer #13987	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) U.S. Green Building Council, LEED AP Certification, 2009; Training: Electrical Safety 70E W/ Arc Flash Protection			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	Department of Transportation Services Pearlridge Transit Plaza and Bus Charging, Honolulu, Hawaii	PROFESSIONAL SERVICES 2022	CONSTRUCTION (if applicable) 2023
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Electrical Engineer. SCOPE: RNSHA provided electrical engineering design services for a new bus charging system at the Pearlridge Transit Plaza. The design includes demolition and relocation of existing parking area light poles, electrical and telecommunication infrastructure, area lighting, comfort station power, signal and lighting. Services include coordination with HECO, Hawaiian Telcom, construction bid documents and assist with bid and RFI's during construction. COST: \$14.5 Million		
	Middle Street Oahu Transit Services (OTS) LowNo EV Bus Chargers at Ready Line, Honolulu, Hawaii	PROFESSIONAL SERVICES 2020	CONSTRUCTION (if applicable) 2021
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Electrical Engineer. SCOPE: RNSHA provided electrical engineering design services to provide 25 bus fast charging stations at the existing Ready Line bus queuing area. The design included a new dedicated HECO service, and grounding plan, and lighting system for Ready Line site, power and communication to each charger. Service included coordinating reviews and permits with the State Disability and Communication Access Board (DCAB), the City and County of Honolulu Department of Design and Construction, the City and County Department of Planning and Permitting, and during bidding and construction. COST: \$3.3 Million		
	City and County of Honolulu EV Chargers at Various Locations Honolulu, Hawaii	PROFESSIONAL SERVICES 2021	CONSTRUCTION (if applicable) 2021
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Electrical Engineer. SCOPE: RNSHA provided electrical engineering design to provide electric vehicle (EV) charging systems at various City sites (Civic Center Parking Garage, Honolulu Fire Department Headquarters, Kapalama Hale, Wahiawa Police Station) and construction documents. Services include assistance during bidding and construction. COST: \$260,000		
	Lihue Airport Emergency Generator Synch Replacement Honolulu, Hawaii	PROFESSIONAL SERVICES 2017	CONSTRUCTION (if applicable) N/A
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Electrical Engineer. SCOPE: RNSHA provided electrical engineering design services for the replacement of the ATS#1 of the existing emergency power system (generator synchronization panel) at Lihue Airport. COST: \$3.28 Million		
	Daniel K. Inouye International Airport One-Line Diagram Verification and Additional Vaults, Honolulu, Hawaii	PROFESSIONAL SERVICES 2017	CONSTRUCTION (if applicable) N/A
e.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Electrical Engineer. SCOPE: RNSHA provided design services to verify the electrical distribution system at the Daniel K. Inouye International Airport, including all airport distribution equipment and feeders. COST: \$205,000		



ARCHITECT-ENGINEER QUALIFICATIONS

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Ross Yamaguchi, PE	13. ROLE IN THIS CONTRACT Senior Electrical Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 12	b. WITH CURRENT FIRM 12
15. FIRM NAME AND LOCATION (City and State) Ronald N.S. Ho & Associates, Inc., Honolulu, Hawaii			
16. EDUCATION (Degree and Specialization) Bachelor of Science, Electrical Engineering		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Hawaii, Electrical Engineer #18573	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Training: Electrical Safety 70E W/ Arc Flash Protection			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	Waikoloa Public Library South Kohala, Hawai'i	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) Ongoing
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Electrical Engineer. SCOPE: RNSHA is providing electrical engineering design for new electrical service equipment including a Hawaiian Electric Company (HECO) transformer pad and HECO metering equipment. The design is for an electrical distribution system for the building for a telecommunications and security system infrastructure, interior/ exterior lighting system, a roof-mounted photovoltaic (PV) system, and fire alarm system. COST: N/A		
	Waimea River Emergency Pump Station Waimea, Kauai, Hawaii	2020	2025
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Electrical Engineer. SCOPE: RNSHA provided the design to extend Kauai Island Utility Cooperative (KIUC) electrical service to the site, including required handholes, equipment concrete pads, and new service ductlines required by KIUC. The design included electrical distribution equipment to provide power for one (1) packaged pump system, controls and instrumentation wiring and conduit, and new exterior light fixtures, conduit and wiring at the pump station. COST: N/A		
	Hilo International Airport Wind Cone Relocation Hilo, Hawaii	2020	N/A
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Electrical Engineer. SCOPE: RNSHA provided the design for the replacement of the existing Runway 21 wind cone; Runway 26 wind cone and Runway 8 wind cone. COST: N/A		
	Hawaii Community College (HCC) North Hawaii Educational and Research Center (NHREC) Renovate Interior, Hilo, Hawaii	2017	2024
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm ROLE: Electrical Engineer. SCOPE: RNSHA Renovated the last remaining phase of the NHERC building to new classrooms, restrooms, and a commercial kitchen. The design included electrical, lighting, fire alarm, and telecommunication work for the new space. COST: N/A		



ARCHITECT-ENGINEER QUALIFICATIONS

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER
1

21. TITLE AND LOCATION (City and State)

County of Hawaii Replace Pauahi Bridge in Hilo
Hilo, Hawaii

22. YEAR COMPLETED

PROFESSIONAL SERVICES
2021

CONSTRUCTION (if applicable)
2023

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

County of Hawaii Department of Public
Works

b. POINT OF CONTACT NAME

Mike Hunnemann
(KAI Hawaii Inc.)

c. POINT OF CONTACT TELEPHONE NUMBER

(808) 791-3980

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

SCOPE: RNSHA provided electrical design to temporarily relocate existing electrical infrastructure within the Pauahi bridge to accommodate the bridge replacement work. Work also includes providing electrical design for a new permanent electrical infrastructure within the new bridge.

PROJECT COST: \$5,000,000

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a. Ronald N.S. Ho & Associates, Inc.	Honolulu, Hawaii	Electrical Engineer Subconsultant



ARCHITECT-ENGINEER QUALIFICATIONS

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER
2

21. TITLE AND LOCATION (City and State)

Hilo International Airport Wind Cone Relocation
Hilo, Hawaii

22. YEAR COMPLETED

PROFESSIONAL SERVICES
2020

CONSTRUCTION (if applicable)
N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

Department of Transportation -
Airports

b. POINT OF CONTACT NAME

Neal Fukumoto, P.E.
(Wesley R. Segawa & Associates, Inc.)

c. POINT OF CONTACT TELEPHONE
NUMBER

(808) 536-4495

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

SCOPE: RNSHA provided the design for the replacement of:

- 1) The existing Runway 21 wind cone, located outside of the ROFA and the existing electrical service is extended to a new location.
- 2) The existing Runway 26 wind cone in a new location.
- 3) The existing Runway 8 wind cone, located outside of the ROFA and the existing electrical service is be extended to a new location.

PROJECT COST: N/A

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

(1) FIRM NAME

(2) FIRM LOCATION (City and State)

(3) ROLE

a. Ronald N.S. Ho & Associates, Inc.	Honolulu, Hawaii	Electrical Engineer Subconsultant
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ARCHITECT-ENGINEER QUALIFICATIONS

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER
3

21. TITLE AND LOCATION *(City and State)*

Department of Hawaiian Home Lands Kau Water System Improvements
Kau, Hawaii

22. YEAR COMPLETED

PROFESSIONAL SERVICES

Ongoing

CONSTRUCTION *(if applicable)*

Ongoing

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

Department of Hawaiian Home Lands

b. POINT OF CONTACT NAME

Paul Masuda (G70)

c. POINT OF CONTACT TELEPHONE NUMBER

(808) 523-5866

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

SCOPE: RNSHA provides the design for incoming electrical service to the site. The design included new telemetering and equipment, SCADA Ready system. Services also included assistance with building permits and during construction.

PROJECT COST: N/A

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a. Ronald N.S. Ho & Associates, Inc.	Honolulu, Hawaii	Electrical Engineer Subconsultant



ARCHITECT-ENGINEER QUALIFICATIONS

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

*(Present as many projects as requested by the agency, or 10 projects, if not specified.
Complete one Section F for each project.)*

20. EXAMPLE PROJECT KEY NUMBER
4

21. TITLE AND LOCATION *(City and State)*

Keeau – Pahoa Road Intersection Improvements
Pahoa, Hawaii

22. YEAR COMPLETED

PROFESSIONAL SERVICES
2019

CONSTRUCTION *(if applicable)*
2019

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

State of Hawaii Department of Transportation
Highways Division

b. POINT OF CONTACT NAME

Larry Tagorda

c. POINT OF CONTACT TELEPHONE NUMBER

(808) 933-8866

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

SCOPE RNSHA provided electrical engineering design for the disconnect and removal of overhead electrical and lighting; new roadway lighting, new electrical metering and distribution, signage, adjustment/relocation of utilities.

PROJECT COST: \$5 Million

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a. Ronald N.S. Ho & Associates, Inc.	Honolulu, Hawaii	Electrical Engineer Subconsultant



ARCHITECT-ENGINEER QUALIFICATIONS

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER
5

21. TITLE AND LOCATION *(City and State)*

Kona International Airport Terminal Modernization Project Phase 1
Kalaoa, Hawaii

22. YEAR COMPLETED

PROFESSIONAL SERVICES
2020

CONSTRUCTION *(if applicable)*
2020

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

State of Hawaii Department of Transportation
Airports Division

b. POINT OF CONTACT NAME

Kyle Wang
(KYA Design Group)

c. POINT OF CONTACT TELEPHONE NUMBER

(808) 941-7770

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

SCOPE: RNSHA provided the design for the proposed expansion of the Kona International Airport Terminal, Phase 1, including new primary and secondary electrical service and distribution, ADA compliant fire alarm system, telephone and data systems, public address system, gate management system, baggage information display systems, flight information display systems, CCTV camera systems, apron lighting, and exterior and interior lighting systems.

PROJECT COST: \$80 Million



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a. Ronald N.S. Ho & Associates, Inc.	Honolulu, Hawaii	Electrical Engineer Subconsultant



ARCHITECT-ENGINEER QUALIFICATIONS

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects as requested by the agency, or 10 projects, if not specified.
Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER
6

21. TITLE AND LOCATION <i>(City and State)</i> Kaiaulu Keauhou Master Plan & Infrastructure Assessment Keauhou, Hawaii	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(if applicable)</i> Ongoing

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Kamehameha Schools	b. POINT OF CONTACT NAME Tyson Toyama, PE (Okahara & Associates, Inc.)	c. POINT OF CONTACT TELEPHONE NUMBER (808) 524-1224
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

SCOPE: RNSHA provides electrical engineering services to develop an electrical and telecom master plan, and utility assessment report and exhibits for the 1,315-acre Kahaluu Keauhou Regenerative Development which are part of the Kamehameha Schools Keauhou Land holding on the Big Island of Hawaii.

PROJECT COST: N/A

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	Ronald N.S. Ho & Associates, Inc.	Honolulu, Hawaii	Electrical Engineer Subconsultant



ARCHITECT-ENGINEER QUALIFICATIONS

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER
7

21. TITLE AND LOCATION *(City and State)*

Ellison Onizuka Kona International Airport at Keahole Federal Inspection Services (FIS) Building, Keahole, Hawaii

22. YEAR COMPLETED

PROFESSIONAL SERVICES

2018

CONSTRUCTION *(if applicable)*

2021

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

State of Hawaii Department of Transportation
Airports Division

b. POINT OF CONTACT NAME

Kyle Wang
(KYA Design Group)

c. POINT OF CONTACT TELEPHONE
NUMBER

(808) 949-7770

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

SCOPE: RNSHA provided the electrical engineering design for the FIS Building, a 32,700 square-foot building entry point. The design included utility electrical and telecom services, interior electrical distribution systems, fire alarm fire alarm system, lighting and lighting control systems; modification of the taxiway lighting at Ramp A, and Ramp B; and the relocation of the guard shack. Services include permit submittal drawings and coordination, construction documents, services during bidding and construction. The project is designed for LEED certifications.

PROJECT COST: \$58.7 Million

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a. Ronald N.S. Ho & Associates, Inc.	Honolulu, Hawaii	Electrical Engineer Subconsultant



ARCHITECT-ENGINEER QUALIFICATIONS

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER
8

21. TITLE AND LOCATION *(City and State)*

City and County of Honolulu EV Chargers at Various Locations
Honolulu, Hawaii

22. YEAR COMPLETED

PROFESSIONAL SERVICES
2021

CONSTRUCTION *(if applicable)*
2021

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

City and County of Honolulu

b. POINT OF CONTACT NAME

Blaine Banks
(Johnson Controls)

c. POINT OF CONTACT TELEPHONE NUMBER

(808) 798-6920

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

SCOPE: RNSHA provided electrical engineering design to provide electric vehicle (EV) charging systems at various City sites (Civic Center Parking Garage, Honolulu Fire Department Headquarters, Kapalama Hale, Wahiawa Police Station) and construction documents. Services include assistance during bidding and construction.

PROJECT COST: \$260,000

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a. Ronald N.S. Ho & Associates, Inc.	Honolulu, Hawaii	Electrical Engineer Subconsultant



ARCHITECT-ENGINEER QUALIFICATIONS

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER
9

21. TITLE AND LOCATION *(City and State)*

Kaiaulu O Waikoloa
Waikoloa, Hawaii

22. YEAR COMPLETED

PROFESSIONAL SERVICES
2020

CONSTRUCTION *(if applicable)*
2022

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

Urban Housing Communities

b. POINT OF CONTACT NAME

Lena Tamashiro
(Design Partners, Inc.)

c. POINT OF CONTACT TELEPHONE NUMBER

(808) 432-9413

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

SCOPE: RNSHA provided electrical engineering design services for site infrastructure and interior design for a new 60-unit low rise affordable rental subdivision. Coordinated design with Hawaii Electric Light Company, Hawaiian Telcom, Spectrum and County of Hawaii.

PROJECT COST: \$24 Million

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	Ronald N.S. Ho & Associates, Inc.	Honolulu, Hawaii	Engineer Subconsultant



ARCHITECT-ENGINEER QUALIFICATIONS

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER
10

21. TITLE AND LOCATION *(City and State)*

Lanikai Landscape Meters
Kailua-Kona, Hawaii

22. YEAR COMPLETED

PROFESSIONAL SERVICES

Ongoing

CONSTRUCTION *(if applicable)*

Ongoing

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

Lanikai Properties, LLC

b. POINT OF CONTACT NAME

Scott Kunioka
(Akinaka & Associates, Ltd.)

c. POINT OF CONTACT TELEPHONE NUMBER

(808) 836-1900

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

SCOPE: RNSHA provides electrical engineering design for the installation of four HELCO meter pedestals for irrigation control and landscape lighting. Meter pedestals located on Kimo Drive and Kaula'ili Street, adjacent to Queen Ka'ahumanu Highway.

PROJECT COST: \$200,000

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	Ronald N.S. Ho & Associates, Inc.	Honolulu, Hawaii	Electrical Engineer Subconsultant



ARCHITECT-ENGINEER QUALIFICATIONS

G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

26. NAMES OF KEY PERSONNEL (From Section E, Block 12)	27. ROLE IN THIS CONTRACT (From Section E, Block 13)	28. EXAMPLE PROJECTS LISTED IN SECTION F (Fill in "Example Projects Key" section below before completing table. Place "X" under project key number for participation in same or similar role)									
		1	2	3	4	5	6	7	8	9	10
Steven H. Sakai, PE	Principal				☒					☒	☒
Dennis Toba, PE, LEED AP	Principal					☒		☒	☒		
Billy J. Ornellas, PE	Principal		☒	☒				☒			
George D. Takase, PE	Principal									☒	☒
Scott Shiraishi, PE, LEED AP BD+C	Associate Principal						☒				
Jenson J. Santos, PE, CCM	Senior Project Manager	☒									
Andrew Izawa, PE	Project Manager			☒							
Scott Lee, PE, LEED AP	Project Manager				☒						
Ryan Karamatsu, PE, LEED AP	Project Manager								☒		
Ross Yamaguchi, PE	Senior Electrical Engineer		☒								

29. EXAMPLE PROJECTS KEY

No.	Title of Example Project (from Section F)	No.	Title of Example Project (from Section F)
1.	County of Hawaii Replace Pauahi Bridge Hilo, Hawaii	6.	Kaiaulu Keauhou Master Plan & Infrastructure Assessment, Keauhou, Hawaii
2.	Hilo International Airport Wind Cone Relocation, Hilo, Hawaii	7.	Ellison Onizuka Kona International Airport at Keahole Federal Inspection Services (FIS) Building Kalaoa, Hawaii
3.	Department of Hawaiian Home Lands Kau Water System Improvements, Kau, Hawaii	8.	City and County of Honolulu EV Chargers at Various Locations, Honolulu, Hawaii
4.	Keaau-Pahoa Road Intersection Improvements Pahoa, Hawaii	9.	Kaiaulu O Waikoloa Waikoloa, Hawaii
5.	Kona International Airport Terminal Modernization Project Phase 1 Kalaoa, Hawaii	10.	Lanihau Landscape Meters Kailua-Kona, Hawaii



ARCHITECT-ENGINEER QUALIFICATIONS

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. (Attach additional sheets as needed.)

Ronald N.S. Ho & Associates, Inc. (RNSHA) is an Electrical Engineering firm located in Honolulu, Hawaii. Our firm was established to provide electrical design, consultation, and construction services to governmental agencies, private businesses, architects, and other engineers. Our firm was established in 1978 and has continuously provided professional services for nearly 47 years.

RNSHA provides electrical engineering design services for the following types of projects: Roadway Improvements/Relocation of Electrical Utilities; Highway and Roadway Lighting Systems; Highway, Street Lighting, and Traffic Signal Systems; Institutional Schools and University Buildings; Land Development and Subdivisions; Resort development; Subdivision Electrical Infrastructure; Design of Airport Electrical Systems and Infrastructure; Electrical Development Master Plan; Emergency Generation Projects; Parking Lot Lighting Systems; Primary and Secondary Distribution Systems; Recreational Building Power and Lighting Systems; Residential High Rise and Townhouse Buildings; Residential Interior and Exterior Distribution; Controls and Distribution for Wastewater Treatment Plants and Pump Stations; and, Controls and Distribution for Deep Well and Water Boosting Pumping Facilities.

RNSHA employs a staff of more than 46 members comprised of principal engineers, project managers, electrical engineers, CAD Operators, and administrative personnel. Our engineers and engineers-in-training also include several LEED Accredited Professionals. Our staff is organized by project teams, whereby a Principal and a Project Manager are involved with every project, to assure quality control and adherence to project schedules.

1. The name of the firm or person, principal place of business, and location of all of its offices.

Ronald N.S. Ho & Associates, Inc. (RNSHA) is located at 2153 North King Street, Suite 201, Honolulu, Hawaii 96819. Our general offices, technical library, engineering workstations, CAD stations, and plotting room occupy half of the second floor of the office building at this address.

2. The age of the firm and its average number of employees over the past five years.

RNSHA was established in 1978 and has provided electrical engineering consulting services for 47 years. Within the past five (5) years, we have maintained an annual average of 45 employees. We take pride in our personnel whose talents have been incorporated into the many projects completed during our firm's history.

3. The education, training, and qualifications of key members of the firm, its key employees in accordance with HRS 103D-304 and/or the profession and scientific occupation series contained in the United States Office of Personnel Management's Qualifications Standards Handbook.

Please refer to SF330 Section E Resumes for the education, training, and qualifications of key members of our firm.

4. A list of recent projects and the name of up to five clients who may be contacted, including at least two for whom services were rendered during the preceding year.

RNSHA has provided design and construction administration services for various facilities, including roadway lighting, primary electrical distribution systems, repair and construction of naval wharves, higher education facilities including laboratory buildings, secondary education buildings, recreation centers, office buildings, retail establishments, private residences, subdivision utility infrastructure distribution systems, and military facilities. Some of our relevant project experience includes the following:



ARCHITECT-ENGINEER QUALIFICATIONS

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. (Attach additional sheets as needed.)

ELECTRICAL ENGINEERING

- Keaau-Pahoa Road Intersection Improvements. RNSHA provided electrical engineering design for the disconnect and removal of overhead electrical and lighting; new roadway lighting, new electrical metering and distribution, signage, adjustment/relocation of utilities.
- Waikoloa Beach Drive Extension, Phase 4. RNSHA provided design for electrical and communications duct systems for infrastructure roadways throughout Waikoloa Resort. Coordinated and implemented off-site HELCO improvements; and designed and coordinated two sewer pump stations and an emergency generator backup system.
- County of Hawaii Replace Pauahi Bridge in Hilo. RNSHA provided electrical engineering design services for new conduits. Design included temporarily relocating existing conduits. Services included site investigation and existing record review; utility coordination; assist with coordination, permit review, and providing response to contractor RFI during construction.
- Waimea District-Regional Park Ph 1 Site Design. RNSHA provided electrical engineering design for electrical and telecommunications systems, exterior lighting, playcourt and park access road. The project included an EV charger.
- County of Hawaii Parks Electrical and Lighting Improvements – Hualani, Kailua, and Shipman Parks Improvement. RNSHA provided electrical design for the replacement of existing ballfield and playcourt lighting systems. Services included new lighting systems, lighting control systems, structural foundations, and playcourt surfaces.
- County of Hawaii Hai Hai Fire Station. RNSHA provided electrical engineering design for new electrical, telecommunications, and lighting distribution systems, fire alarm system, and PA system. Design services included CATV, and PV System.
- Aircraft Rescue and Firefighting (ARFF) Facility Improvements at Hilo International Airport. RNSHA provided the design for new electrical services, site lighting, interior power, signal and lighting systems, emergency generator, fire alarm, automated door controls, and radio communications. The project is designed for LEED certifications.
- Hilo Airport Fire Alarm System Replacement. RNSHA provided the design for new electrical services for site lighting, interior power, signal and lighting system, emergency generator, fire alarm, automated door controls, and radio communications. Commercial kitchen facilities were also part of this LEED Silver Project.
- Kona International Airport Terminal Modernization Project Phase 1. RNSHA provided the design for the proposed expansion of the Kona International Airport Terminal, Phase 1, including new primary and secondary electrical service and distribution, ADA compliant fire alarm system, telephone and data systems, public address system, gate management system, baggage information display systems, flight information display systems, CCTV camera systems, apron lighting, and exterior and interior lighting systems.



ARCHITECT-ENGINEER QUALIFICATIONS

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. (Attach additional sheets as needed.)

- Ellison Onizuka Kona International Airport at Keahole Federal Inspection Services (FIS) Building. RNSHA provided electrical engineering design for the FIS Building, a 32,700 square-foot building entry point. The design included utility electrical and telecom services, interior electrical distribution systems, fire alarm fire alarm system, lighting and lighting control systems; modification of the taxiway lighting at Ramp A, and Ramp B; and the relocation of the guard shack. Services include permit submittal drawings and coordination, construction documents, services during bidding and construction. The project is designed for LEED certifications.
- Kona International Airport USDA Inspection Building. RNSHA provided electrical design for a new USDA Inspection Building at the Kona International Airport. The design included interior and exterior lighting system, new baggage handling equipment, ADA compliant fire alarm devices, and lightning protection system.
- Lanihau Landscape Meters. RNSHA provided electrical engineering design for the installation of four HELCO meter pedestals for irrigation control and landscape lighting. Meter pedestals are located on Kimo Drive and Kaula'ili street, adjacent to Queen Ka'ahumanu Highway.
- Hilo Operations Baseyard Emergency Generator. Provided an electrical design for the removal of the existing generator, and for general lighting in the surrounding area of the generator and shelter. Designs will accommodate the installation of a future PV system.
- HOVE – Witness Pump Motor Teardown. Provided electrical engineering services to witness motor and pump inspections and coordinate with consultants and project management.
- Hualalai Deepwell Pump Motor Inspection. Provided electrical engineering services to perform the well pump motor inspection at SME USA in Phoenix, Arizona with inspection report completed by Filtronica Inc. Services include coordinating with consultants and project management.
- Honokohau – Witness Motor Teardown. Provided electrical engineering services to witness motor teardown inspection and coordinate with consultants and project management.
- Ha'aheo #1 Booster Station. Provided electrical engineering services for the electrical design to replace the existing metering equipment, conduit service mast, and hardware for new HELCO overhead service.
- Keauohana Deepwell Improvements. Provided electrical engineering design services for new power provisions to existing electrical equipment. Services include electrical specifications and cost estimate, assisting with permit processing, shop drawing review and services during construction for RFIs and change order proposals.
- Motor Teardown Inspections for HOVE & HAWI Deepwells. Provided electrical engineering services to provide inspection of motor teardown and coordination with consultant and project management.
- Power Quality Measurements for HOVE Deepwell. Provided electrical engineering services for power quality measurements and comprehensive report by Filtronica, Inc. Services include coordination with consultants and project management.



ARCHITECT-ENGINEER QUALIFICATIONS

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. (Attach additional sheets as needed.)

- Waikoloa Potable Well No. 8 & Outfitting. Provided design for electrical system for 4160V, RVSSS controlled 500 hp well pump, including medium voltage switchgear, controls and instrumentation circuits, manual transfer switch system, trailer mounted 1500 kW standby power generator, and SCADA system.
- Waikoloa Potable Well No 7 Outfitting. Provided design for electrical system for 4160V, RVSSS controlled 600 hp well pump, including medium voltage switchgear, controls and instrumentation circuits, manual transfer switch system, trailer mounted 1500 kW standby power generator, and SCADA system.
- Kilauea-Puu Pane Tank Replacement. Provided electrical engineering design for temporary and new control and instrumentation circuits from the new 1.0 MG tank to the new SCADA system including the tank level sensor circuit and tank and gate intrusion detector circuits.
- Palani Water System 935' and 595' 1.0 MG Reservoirs. Designed electrical system for 935' and 595' reservoirs to include water lead detectors, and transmitters, and connection to Kona SCADA system.
- Kaupulehu Potable Well No. 7. Designed electrical system for new pump, MCC, distribution, and SCADA system.
- Ka'ie'ie Mauka Facility Improvements. RNSHA provided electrical engineering design for new booster station at an existing well site. Electrical work included booster pump electrical equipment, pump controls and instrumentation, and chlorination system. Work also included power, lighting, and security for a new booster station building. The existing motor control center and SCADA system were revised to accommodate the new booster station and revised well pump flow system.
- Waimea Irrigation System Hydropower and SCADA System. Provided feasibility study for SCADA and telemetry system for Waimea and Hamakua areas of the Big Island. Also provided electrical, telemetry, and SCADA design for a new hydroturbine installation. The work included coordination with MECO and HTCO for power and telephone service to the project area that is located above Kaunakakai Town.
- Waipio Valley and Hamakua Ditches SCADA PER & Design. RNSHA provided the preliminary engineering report which examined the feasibility of providing new flow and depth measuring devices, motorized gate/valve, SCADA system, and photovoltaic power system installations at the Upper Hamakua Ditch and Waipio Valley and Lower Hamakua Ditch. Services included the design and permit processing to implement selected items from the PER.
- DHHL La'i'opua Village 4 HEMA Subdivision. RNSHA provided design for the complete underground electrical and communication (SIC) utility duct system and street lighting for the Hema subdivision. HEMA is a continuation for the 1st phase of Village 4 (Akau).
- Kaiaulu O Waikoloa. RNSHA provided electrical engineering design services for site infrastructure and interior design for a new 60-unit low rise affordable rental subdivision. Coordinated design with Hawaii Electric Light Company, Hawaiian Telcom, Spectrum and County of Hawaii.
- Kaumana Elementary School. RNSHA provided electrical design for the replacement of the electrical service equipment and cabinet for Kaumana Elementary School. Services include assistance with acquiring electrical service and processing.



ARCHITECT-ENGINEER QUALIFICATIONS

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. (Attach additional sheets as needed.)

- Hawaii Community Correction Center – Office Spaces & Bathroom Repairs & Improvements. RNSHA provided electrical design services for demolition and renovation to the facility. Design included telecommunications, new lighting to lobby expansion area, entrance, visitor's restroom, and new sheriff room; security CCTV cameras and door controls. Services included construction documents, specifications, cost estimates, and assistance during construction.
- Hawaii Community Correctional Center Replace Emergency Generator Phase 1 Study. Conducted electrical and mechanical field investigations to verify conditions and to verify the accuracy of existing record drawings. Hired an electrical contractor to assist us in conducting electrical load measurements to verify the existing electrical loads of the Punahele and Komohana facilities. Also provided a load study report.
- Hawaii Community Correctional Center Replace Emergency Generator System at Punahele. Provided design to replace and upgrade the existing emergency generator and include a new propane storage tank.

Please refer to APPENDIX: Company Brochure for additional information about our firm.

CLIENTS WHO MAY BE CONTACTED

Okahara & Associate, Inc
Mr. Tyson Toyama, PE
President
(808) 524-1224

Design Partners, Inc.
Mr. Vernon Inoshita, AIA,
Chairman
(808) 949-0044

AECOM
Mr. Martin Nakasone, PE,
Principal
Pacific
(808) 521-3051

R.M. Towill Corporation
Mr. Greg Hiyakumoto, PE,
President
(808) 942-1133

Wilson Okamoto
Mr. Michael Fujita, PE,
President
(808) 946-2277

QUALITY ASSURANCE PLAN

RNSHA has established a reputation for providing quality electrical engineering services to our clients. These services are designed to satisfy our clients' needs, consistent with the fee and other constraints established by our clients. We strive to design cost effective projects for our clients and meet design schedules. Quality assurance and completing the work on time are important objectives for our staff.

A project team with the necessary expertise and manpower will be put together to properly do site investigations, the design, and construction observations. If other architectural or engineering disciplines are required, we will retain qualified firms to provide the expertise needed. Project scope, design, and cost are reviewed regularly to help assure compliance with our clients' needs.

A Principal and a Project Manager are involved with every project assuring quality control and adherence to project schedules. The personnel assigned to the project will be responsible for implementing our Quality Control Plan under the direction of the Project Manager.



ARCHITECT-ENGINEER QUALIFICATIONS

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. (Attach additional sheets as needed.)

The Quality Control and Assurance Plan begins with careful review and approval of the scope of services during the proposals/contract development stage and continues to the completion of our contract. A review of our electrical design is performed by a Principal or Senior Engineer in our firm who has not worked on the project. To integrate quality into our corporate values, we strive to naturally blend the following practices into every project:

- Accurate information gathering
- Allowing for sufficient time to do the design
- Encouraging constructive review and comment
- Maintaining an open-door policy of in-house commentary
- Management's commitment to quality and professional standards of engineering services
- Utilizing experienced and skilled personnel
- Providing sufficient personnel to staff projects
- Continuing education and training of staff
- Quality of production and office facilities

Our staff has participated in numerous Value Engineering (V-E) studies over the years. We have been on both the V-E analysis teams as well as the A-E design teams. In addition to insight into good design and quality control, many of these "lessons learned" are routinely discussed and incorporated into our design

Project Review - Quality Control and Assurance Plan Procedure:

STEP	DESCRIPTION
<u>Step 1</u>	Project Engineer receives review comments and assigns each review comment to the responsible responder(s).
<u>Step 2</u>	Project Engineer reviews submitted plans, basis of designs, specifications, and applicable calculations and creates spreadsheet with in-house review comments.
<u>Step 3</u>	Project Manager checks the review comments and reviews plans, basis of design, specifications, and applicable calculations for additional in-house comments under the Quality Control Plan procedures.
<u>Step 4</u>	Project Engineer updates spreadsheet with Project Manager's in-house comments.
<u>Step 5</u>	Project Engineer distributes all comments to the responsible parties and checks each response.
<u>Step 6</u>	Project Manager checks comment spreadsheet and annotated review comments.
<u>Step 7</u>	Annotated plans, basis of designs, specifications, and applicable calculations are returned along with electronic copy of annotated review comment spreadsheet.

I. Authorized Representative

The foregoing is a statement of facts.

31. SIGNATURE



32. DATE

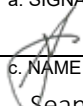
June 30, 2025

33. NAME AND TITLE

Sean Sugai, PE, President



ARCHITECT-ENGINEER QUALIFICATIONS

ARCHITECT-ENGINEER QUALIFICATIONS				1. SOLICITATION NUMBER (if any) N/A		
PART II - GENERAL QUALIFICATIONS <i>(If a firm has branch offices, complete for each specific branch office seeking work.)</i>						
2a. FIRM (OR BRANCH OFFICE) NAME Ronald N. S. Ho & Associates, Inc.			3. YEAR ESTABLISHED 1978		4. UNIQUE ENTITY IDENTIFIER UEI: H55SHT2WFT57 CAGE: ODD23	
2b. STREET 2153 N. King Street, Suite 201			5. OWNERSHIP			
			a. TYPE Corporation			
2c. CITY Honolulu	2d. STATE Hawaii	2e. ZIP CODE 96819	b. SMALL BUSINESS STATUS Self-Certified Small Business			
6a. POINT OF CONTACT NAME AND TITLE Sean Sugai, PE, President			7. NAME OF FIRM (If Block 2a is a Branch Office) N/A			
6b. TELEPHONE NUMBER 808-941-0577		6c. E-MAIL ADDRESS ssugai@rnsha.com				
8a. FORMER FIRM NAME(S) (If any) N/A			8b. YR. ESTABLISHED N/A		8c. DUNS NUMBER N/A	
9. EMPLOYEES BY DISCIPLINE			10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS			
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) Firm	(2) Branch			
21	Electrical Engineer	12		A06	Airports; Terminals & Hangars; Freight Handling	4
58	Technical/Analyst	21		E03	Electrical Studies & Design	4
08	CADD Technician	5		F02	Field Houses; Gyms; Stadiums	5
02	Administrative	9		G01	Garages; Vehicles Maintenance facilities; Parking Decks	1
				H01	Harbors; Jetties; Piers, Ship Terminal Facilities	1
				H07	Highways, Streets, Airfield, Paving; Parking Lots	4
				H11	Housing (Residential, Multi-Family; Apartments; Condos)	4
				P12	Power Generator, Transmission, Distribution	6
				R03	Railroad; Rapid Transit	5
				R04	Recreational Facilities (Parks, Marinas, etc.)	1
	Other Employees			S04	Sewage Collection; Treatment & Disposal	5
	Total	47		W03	Water Supply; Treatment & Disposal	5
11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)			PROFESSIONAL SERVICES REVENUE INDEX NUMBER			
a. State Work		6	1. Less than \$100,000 2. \$100,00 to less than \$250,000 3. \$250,000 to less than \$500,000 4. \$500,000 to less than \$1 million 5. \$1 million to less than \$2 million 6. \$2 million to less than \$5 million 7. \$5 million to less than \$10 million 8. \$10 million to less than \$25 million 9. \$25 million to less than \$50 million 10. \$50 million or greater			
b. Non-State Work		7				
c. Total Work		8				
12. AUTHORIZED REPRESENTATIVE The foregoing is a statement of facts.						
a. SIGNATURE 				b. DATE June 30, 2025		
c. NAME AND TITLE Sean Sugai, PE, President						





Professional Licenses

SEAN K SUGAI
559 22ND AVENUE
HONOLULU, HI 96816

PROFESSIONAL ENGINEER
NOTICE THIS POCKET ID CARD IDENTIFIES YOU TO THE PUBLIC AS BEING CURRENTLY
LICENSED AND SHOULD BE KEPT IN YOUR POSSESSION AT ALL TIMES.

License Number PE-9023 Expiration date 4/30/2026 STATE OF HAWAII DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS PROFESSIONAL ENGINEER CLASS(ES): EE ELECTRICAL SEAN K SUGAI 559 22ND AVENUE HONOLULU, HI 96816  SIGNATURE OF LICENSEE	 CLASSES (ACTIVE): EE Electrical
--	---

STEVEN H SAKAI
6770 HAWAII KAI DR #14
HONOLULU, HI 96825

PROFESSIONAL ENGINEER

NOTICE THIS POCKET ID CARD IDENTIFIES YOU TO THE PUBLIC AS BEING CURRENTLY
LICENSED AND SHOULD BE KEPT IN YOUR POSSESSION AT ALL TIMES.

License Number PE-7637	Expiration date 4/30/2026		CLASSES (ACTIVE): EE Electrical
STATE OF HAWAII DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS			
PROFESSIONAL ENGINEER			
CLASS(ES): EE ELECTRICAL			
STEVEN H SAKAI 6770 HAWAII KAI DR #14 HONOLULU, HI 96825			
 SIGNATURE OF LICENSEE			

DENNIS I TOBA
92-7033 KAHEA STREET
KAPOLEI, HI 96707

PROFESSIONAL ENGINEER

NOTICE THIS POCKET ID CARD IDENTIFIES YOU TO THE PUBLIC AS BEING CURRENTLY LICENSED AND SHOULD BE KEPT IN YOUR POSSESSION AT ALL TIMES.

License Number PE-10569	Expiration date 4/30/2026		CLASSES (ACTIVE): EE Electrical
STATE OF HAWAII DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS PROFESSIONAL ENGINEER CLASS(ES): EE ELECTRICAL DENNIS I TOBA 92-7033 KAHEA STREET KAPOLEI, HI 96707   SIGNATURE OF LICENSEE			

BILLY J ORNELLAS
94-1020 HOOHELE ST
WAIPAHU, HI 96797

PROFESSIONAL ENGINEER

NOTICE THIS POCKET ID CARD IDENTIFIES YOU TO THE PUBLIC AS BEING CURRENTLY LICENSED AND SHOULD BE KEPT IN YOUR POSSESSION AT ALL TIMES.

License Number PE-11658	Expiration date 4/30/2026		CLASSES (ACTIVE): EE Electrical
STATE OF HAWAII DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS			
PROFESSIONAL ENGINEER			
CLASS(ES): EE ELECTRICAL			
BILLY J ORNELLAS 94-1020 HOOHELE ST WAIPAHU, HI 96797			
			
SIGNATURE OF LICENSEE			

GEORGE D TAKASE
94-1221 HALELAUKOA DRIVE
WAIPAHU, HI 96797

PROFESSIONAL ENGINEER

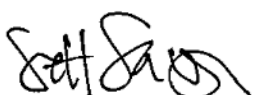
NOTICE THIS POCKET ID CARD IDENTIFIES YOU TO THE PUBLIC AS BEING CURRENTLY LICENSED AND SHOULD BE KEPT IN YOUR POSSESSION AT ALL TIMES.

License Number PE-13741	Expiration date 4/30/2026		CLASSES (ACTIVE): EE Electrical
STATE OF HAWAII DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS PROFESSIONAL ENGINEER CLASS(ES): EE ELECTRICAL GEORGE D TAKASE 94-1221 HALELAUKOA DRIVE WAIPAHU, HI 96797			
  SIGNATURE OF LICENSEE			

SCOTT N SHIRAISHI
3365 LOULU STREET
HONOLULU, HI 96822

PROFESSIONAL ENGINEER

NOTICE THIS POCKET ID CARD IDENTIFIES YOU TO THE PUBLIC AS BEING CURRENTLY LICENSED AND SHOULD BE KEPT IN YOUR POSSESSION AT ALL TIMES.

License Number PE-14753	Expiration date 4/30/2026		CLASSES (ACTIVE): EE Electrical
STATE OF HAWAII DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS PROFESSIONAL ENGINEER CLASS(ES): EE ELECTRICAL SCOTT N SHIRAISHI 3365 LOULU STREET HONOLULU, HI 96822   SIGNATURE OF LICENSEE			

JENSON J SANTOS
94-1025 PULOKU STREET
WAIPAHU, HI 96797

PROFESSIONAL ENGINEER

NOTICE THIS POCKET ID CARD IDENTIFIES YOU TO THE PUBLIC AS BEING CURRENTLY LICENSED AND SHOULD BE KEPT IN YOUR POSSESSION AT ALL TIMES.

License Number PE-14286	Expiration date 4/30/2026		CLASSES (ACTIVE): EE Electrical
STATE OF HAWAII DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS PROFESSIONAL ENGINEER CLASS(ES): EE ELECTRICAL JENSON J SANTOS 94-1025 PULOKU STREET WAIPAHU, HI 96797 			
 SIGNATURE OF LICENSEE			

ANDREW T TOSHIO IZAWA
2101 NUUANU AVE UNIT 506
HONOLULU, HI 96817

PROFESSIONAL ENGINEER

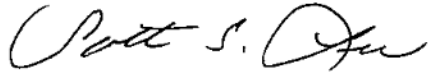
NOTICE THIS POCKET ID CARD IDENTIFIES YOU TO THE PUBLIC AS BEING CURRENTLY
LICENSED AND SHOULD BE KEPT IN YOUR POSSESSION AT ALL TIMES.

License Number PE-19341	Expiration date 4/30/2026		CLASSES (ACTIVE): EE Electrical
STATE OF HAWAII DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS PROFESSIONAL ENGINEER CLASS(ES): EE ELECTRICAL ANDREW T TOSHIO IZAWA 2101 NUUANU AVE UNIT 506 HONOLULU, HI 96817			
 Andrew T Izawa Digitally signed by Andrew T Izawa Date: 2024.03.04 08:47:31 -10'00'			
SIGNATURE OF LICENSEE			

SCOTT S LEE
94-1024 LELEHU STREET
WAIPAHU, HI 96797

PROFESSIONAL ENGINEER

NOTICE THIS POCKET ID CARD IDENTIFIES YOU TO THE PUBLIC AS BEING CURRENTLY LICENSED AND SHOULD BE KEPT IN YOUR POSSESSION AT ALL TIMES.

License Number PE-10038	Expiration date 4/30/2026		CLASSES (ACTIVE): EE Electrical
STATE OF HAWAII DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS PROFESSIONAL ENGINEER CLASS(ES): EE ELECTRICAL SCOTT S LEE 94-1024 LELEHU STREET WAIPAHU, HI 96797  SIGNATURE OF LICENSEE			

RYAN S KARAMATSU
801 SOUTH ST #424
HONOLULU, HI 96813

PROFESSIONAL ENGINEER

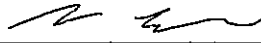
NOTICE THIS POCKET ID CARD IDENTIFIES YOU TO THE PUBLIC AS BEING CURRENTLY LICENSED AND SHOULD BE KEPT IN YOUR POSSESSION AT ALL TIMES.

License Number PE-13987	Expiration date 4/30/2026		CLASSES (ACTIVE): EE Electrical
STATE OF HAWAII DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS PROFESSIONAL ENGINEER CLASS(ES): EE ELECTRICAL RYAN S KARAMATSU 801 SOUTH ST #424 HONOLULU, HI 96813			
			
		C=US, E=rkaramatsu@msha.com, O="Ronald N.S. Ho & Associates, Inc.", CN=Ryan Karamatsu 2024.03.04 08:12:49-10'00'	
SIGNATURE OF LICENSEE			

ROSS K YAMAGUCHI
400 KEAWE ST #219
HONOLULU, HI 96813

PROFESSIONAL ENGINEER

NOTICE THIS POCKET ID CARD IDENTIFIES YOU TO THE PUBLIC AS BEING CURRENTLY LICENSED AND SHOULD BE KEPT IN YOUR POSSESSION AT ALL TIMES.

License Number PE-18573	Expiration date 4/30/2026		CLASSES (ACTIVE): EE Electrical
STATE OF HAWAII DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS			
PROFESSIONAL ENGINEER			
CLASS(ES): EE ELECTRICAL			
ROSS K YAMAGUCHI 400 KEAWE ST #219 HONOLULU, HI 96813			
 SIGNATURE OF LICENSEE			



APPENDIX:
Company Brochure

**PROVIDING INNOVATIVE
SOLUTIONS THROUGH
ELECTRICAL ENGINEERING,
CONSTRUCTION &
PROJECT MANAGEMENT,
AND ENERGY SOLUTIONS**



Ronald N.S. Ho & Associates
ELECTRICAL ENGINEERING

ABOUT US

Established in 1978, Ronald N.S. Ho & Associates, Inc. (RNSHA) is one of Hawaii's largest electrical engineering consulting firms. RNSHA works alongside its sister companies RHA Construction Management (RHA CM) and RHA Energy Partners (RHA EP) in providing a full spectrum of services in electrical engineering, project/construction management, and energy consulting.

We provide electrical engineering services for federal, state, and city government agencies, as well as private clients. Our market sectors encompass public and private building structures, site infrastructure systems, lighting systems, electrical distribution systems, and water and wastewater systems.

As an employee-owned company, we are a service-oriented firm that delivers high-quality, cost-effective and timely projects for our clients. Quality assurance and adhering to schedules are important objectives for our staff.



ESTABLISHED IN
1978



PROJECTS COMPLETED
2,000+



AWARD-WINNING
PROJECTS
20+

Koa Ridge Development



Kihei High School

*"We make an IMPACT everyday"
has become our company slogan.*

IMPACT, an RNSHA acronym which stands for **Integrity, Mindful, Proactive, Adaptable, Community and Team**, represents the core values that have evolved from RNSHA's beginnings. It defines who we are and how we behave every day with the same end goal in mind. RNSHA exists to ensure its team members have the opportunity to pursue their professional objectives in a company working together to enrich and improve the community we live and play in. Our client relationships serve as the foundation upon which we are able to fulfill our company's purpose and individual aspirations.

Sean Sugai, P.E.
President

ELECTRICAL ENGINEERING

Ronald N.S. Ho & Associates, Inc. (RNSHA) provides a comprehensive range of electrical engineering design and consulting services, from utility studies and master planning to full design and construction administration. Our markets include:

Structures

- Educational Facilities
- Commercial Office and Retail
- Residential
- Hotels and Resorts
- Hospitals and Healthcare Facilities

Water and Wastewater

- Deep Well and Booster Pumping Facilities
- Treatment Facilities
- Controls and Instrumentation

Lighting Systems

- Highways and Street Lighting Systems
- Sports Facilities
- Recreational Playcourt, Ballfield and Walkways
- Parking Lots and Structures

Site Development

- Master Planning for Electrical Distribution Systems
- Primary and Secondary Power Distribution Systems
- Telecommunication Distribution Systems
- Emergency Generation Systems

CONSTRUCTION AND PROJECT MANAGEMENT

RHA Construction Management Group, LLC (RHA CM) provides professional project management, construction management, and inspection services for electrical and telecommunications projects. With a seasoned team of project managers, inspectors, and engineers, RHA CM has expanded its expertise to include construction management services for diverse markets, such as government structures, water distribution facilities, commercial properties, and educational institutions.

ENERGY SOLUTIONS

RHA Energy Partners LLC (RHA EP) specializes in delivering turnkey energy solutions to enhance clients' business performance and sustainability. By leveraging extensive expertise in energy services, RHA EP offers comprehensive, customized solutions designed to improve efficiency, reduce costs, and maximize operational effectiveness. Our energy consulting services span a broad platform of advanced technologies, helping clients achieve meaningful results across their business operations.

Daniel K. Inouye International Airport
Mauka Concourse Extension



Ronald N.S. Ho & Associates
ELECTRICAL ENGINEERING

OUR LOGOMARK

The Rho is the 17th letter in the Greek alphabet. In scientific computations it is commonly used to represent resistivity and charge density.

2153 N. King Street, Suite 201
Honolulu, HI 96819
(808) 941-0577

RNSHA.COM