



# County of Hawaii Professional Services During the Fiscal Year 2024 – 2025, Beginning July 1, 2024

June 30, 2024

## 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 28, 2024

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

Subject: Professional Services During the Fiscal Year 2024–2025

Dear Ms. Kunz,

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](mailto:ssugai@rnsha.com) or by telephone at (808) 941-0577.

Sincerely,

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Sean K. Sugai, PE  
President

SKS/jc  
Enclosure



Standard Form 330

# ARCHITECT-ENGINEER QUALIFICATIONS

## PART I – CONTRACT-SPECIFIC QUALIFICATIONS

### A. CONTRACT INFORMATION

<b>1. TITLE AND LOCATION</b> <i>(City and State)</i> Professional Services for Fiscal Year 2024 - 2025 Department of Housing and Community Development: OH.6) General Engineering (Project Manager)	
<b>2. PUBLIC NOTICE DATE</b> June 1, 2024	<b>3. SOLICITATION OR PROJECT NUMBER</b> 24-25

### B. ARCHITECT-ENGINEER POINT OF CONTACT

<b>4. NAME AND TITLE</b> Sean K. Sugai, PE, President		
<b>5. NAME OF FIRM</b> Ronald N.S. Ho & Associates, Inc.		
<b>6. TELEPHONE NUMBER</b> 808-941-0577	<b>7. FAX NUMBER</b> 808-945-2646	<b>8. EMAIL ADDRESS</b> <a href="mailto:ssugai@rnsha.com">ssugai@rnsha.com</a>

### 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.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ronald N.S. Ho & Associates, Inc.  <input type="checkbox"/> CHECK IF BRANCH OFFICE	2153 N. King Street, Suite 201 Honolulu, Hawaii 96819	General Engineering (Project Manager)
b.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> CHECK IF BRANCH OFFICE		
c.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> CHECK IF BRANCH OFFICE		
d.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> CHECK IF BRANCH OFFICE		
e.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> CHECK IF BRANCH OFFICE		
f.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> CHECK IF BRANCH OFFICE		

### D. ORGANIZATIONAL CHART OF PROPOSED TEAM (Attached)



# ARCHITECT-ENGINEER QUALIFICATIONS

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS SERVICE CATEGORY

(Complete one Section E for each key person.)

12. NAME Steven H. Sakai, PE	13. ROLE IN SERVICE CATEGORY Principal	14. YEARS EXPERIENCE	
		a. TOTAL 39	b. WITH CURRENT FIRM 38
15. FIRM NAME AND LOCATION (City and State) Ronald N.S. Ho & Associates, Inc., Honolulu, Hawaii			
16. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Science in Electrical Engineering		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Hawaii 1992, Electrical License No. 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)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>a.</b>	Keaau-Paho Road Intersection Improvements Paho, Hawaii	2019	2019
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>ROLE:</b> Principal. <b>SCOPE:</b> 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. <b>COST:</b> \$5 million		
<b>b.</b>	Honolulu Rail Transit Project – City Center Utility Relocation Honolulu, Hawaii	Ongoing	Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>ROLE:</b> Principal. <b>SCOPE:</b> 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. <b>COST:</b> \$2,2 billion		
<b>c.</b>	DRH Farrington Highway Widening Kapolei, Hawaii	2022	2024
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>ROLE:</b> Principal. <b>SCOPE:</b> RNSHA currently provides electrical design coordination services for two separate design packages along Farrington Highway. Package #1-Kapolei Golf Course Access Road to Kaloi Gulch and Package #2 -Kaloi 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. <b>COST:</b> \$35 million		
<b>d.</b>	Frank Fasi Municipal Building – Basement to 16th Floor Radio Room Electrical Feeder Upgrade Project No. VI-03-16-C Honolulu, Hawaii	2017	2019
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>ROLE:</b> Principal. <b>SCOPE:</b> RNSHA provided electrical design for 24 strand fiber optic cable from each floor's IDF to Main Building Equipment Rack located in basement. Provide conduit pathways and junction boxes for cameras on first floor roof. Provide electrical design for new feeder in existing conduit from the existing switchboard in the basement electrical room to a new panelboard on the 16th floor to accommodate future DIT equipment and to reconnect all existing circuits in the Radio Room. <b>COST:</b> \$369,400		
<b>e.</b>	County of Kauai, Department of Public Works, Building Division Lihue Town Core Mobility and Revitalization Project, Federal-Aid Project No. TGR-0700   Lihue, Hawaii	2019	2020
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>ROLE:</b> Principal. <b>SCOPE:</b> 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. <b>COST:</b> \$14 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 33	b. WITH CURRENT FIRM 26
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) Kona International Airport Terminal Modernization Project Phase 1 Kalaoa, Hawaii	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2020	CONSTRUCTION (if applicable) 2020
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>a. ROLE:</b> Principal. <b>SCOPE:</b> 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. <b>COST:</b> \$80 million		
(1) TITLE AND LOCATION (City and State) Kamehameha Schools Hawaii Keaau Electrical Power Assessment Keaau, Hawaii	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2019	CONSTRUCTION (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>b. ROLE:</b> Principal. <b>SCOPE:</b> RNSHA assessed the electrical distribution of the entire campus which included a primary high voltage service from the 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. <b>COST:</b> N/A		
(1) TITLE AND LOCATION (City and State) Department of Transportation Services Pearlridge Transit Plaza & Bus Charging, Honolulu, Hawaii	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2022	CONSTRUCTION (if applicable) 2023
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>c. ROLE:</b> Principal. <b>SCOPE:</b> RNSHA is providing 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. <b>COST:</b> \$14.5 million		
(1) TITLE AND LOCATION (City and State) Street Light Metering Cabinet & Transformer Replacement Honolulu, Hawaii	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2020	CONSTRUCTION (if applicable) Ongoing
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>d. ROLE:</b> Principal. <b>SCOPE:</b> RNSHA provided services to investigate and determine existing conditions of lighting meter cabinets in multiple locations. Design included replacement of existing lighting meters and cabinets for each location; determining flood zone and district design requirements converting existing city owned transformers to HECO transformers, and processing utility easements. <b>COST:</b> \$2,100,000		



# 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 23	b. WITH CURRENT FIRM 23
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

	(2) YEAR COMPLETED	
(1) TITLE AND LOCATION (City and State)	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
<p>(1) TITLE AND LOCATION (City and State) Ellison Onizuka Kona International Airport at Keahole Federal Inspection Services (FIS) Building   Keahole, Hawaii</p> <p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span>  <b>ROLE:</b> Project Manager. <b>SCOPE:</b> 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. <b>COST:</b> \$58.7 million</p>	2021	2021
<p>(1) TITLE AND LOCATION (City and State) County of Hawaii Hai Hai Fire Station South Hilo, Hawaii</p> <p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span>  <b>ROLE:</b> Project Manager. <b>SCOPE:</b> 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. <b>COST:</b> \$7.5 million</p>	2020	2020
<p>(1) TITLE AND LOCATION (City and State) County of Hawaii Parks Electrical and Lighting Improvements – Hualani, Kailua, and Shipman Parks Improvement Island of Hawaii</p> <p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span>  <b>ROLE:</b> Project Manager. <b>SCOPE:</b> 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. <b>COST:</b> \$4.4 million</p>	2015	2018
<p>(1) TITLE AND LOCATION (City and State) Ka'ie'ie Mauka Facility Improvements Hilo, HI</p> <p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span>  <b>ROLE:</b> Project Manager. <b>SCOPE:</b> 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. <b>COST:</b> \$233,000 (electrical)</p>	2018	2021



# ARCHITECT-ENGINEER QUALIFICATIONS

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS SERVICE CATEGORY

(Complete one Section E for each key person.)

<b>12. NAME</b> George Takase, PE	<b>13. ROLE IN SERVICE CATEGORY</b> Principal	<b>14. YEARS EXPERIENCE</b>	
		<b>a. TOTAL</b> 19	<b>b. WITH CURRENT FIRM</b> 19
<b>15. FIRM NAME AND LOCATION (City and State)</b> Ronald N.S. Ho & Associates, Inc., Honolulu, Hawaii			
<b>16. EDUCATION (DEGREE AND SPECIALIZATION)</b> Bachelor of Science in Electrical Engineering		<b>17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)</b> Hawaii 2009, Electrical License No. 13741	
<b>18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)</b> Institute of Transportation Engineers and Building Industry Consulting Service International, Inc.; Training: Electrical Safety NFPA 70E W/Arc Flash Protection			

### 19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>a.</b>	Lanihau Landscape Meters Kailua-Kona, Hawaii	2022	2023
	<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <input checked="" type="checkbox"/> Check if project performed with current firm <b>ROLE:</b> Project Manager. <b>SCOPE:</b> RNSHA is providing 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. <b>COST:</b> N/A		
<b>b.</b>	DHHL La'i'opua Village 4 HEMA Subdivision Kailua-Kona, Hawaii	2016	N/A
	<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <input checked="" type="checkbox"/> Check if project performed with current firm <b>ROLE:</b> Project Manager. <b>SCOPE:</b> 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). <b>COST:</b> \$2.3 Million		
<b>c.</b>	Kaumana Elementary School Hilo, Hawaii	2018	2018
	<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <input checked="" type="checkbox"/> Check if project performed with current firm <b>ROLE:</b> Project Manager. <b>SCOPE:</b> 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. <b>COST:</b> N/A		
<b>d.</b>	Kaiaulu O Waikoloa Waikoloa, Hawaii	2020	2022
	<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <input checked="" type="checkbox"/> Check if project performed with current firm <b>ROLE:</b> Project Manager. <b>SCOPE:</b> 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. <b>COST:</b> \$24 million		
<b>e.</b>	State of Hawaii Department of Transportation (DOT) Freeway Management System (FMS) Phase 3 PE2 Waipahu, Hawaii	2021	Ongoing
	<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <input checked="" type="checkbox"/> Check if project performed with current firm <b>ROLE:</b> Project Manager. <b>SCOPE:</b> RNSHA provided electrical engineering design for electrical and communications duct system and electrical power connection for intelligent transportation deployments at various locations throughout West Oahu. Design includes electrical extension, new service connection and conduit plans. Service includes assistance with responding to agency comments, utility coordination and securing utility service proposals, specifications, cost estimates, bid proposal schedule and services during bidding. <b>COST:</b> \$5 million		



# ARCHITECT-ENGINEER QUALIFICATIONS

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

*(Complete one Section E for each key person.)*

12. NAME Jenson J. Santos, PE, CCM	13. ROLE IN THIS CONTRACT Project Manager	14. YEARS EXPERIENCE	
		a. TOTAL 18	b. WITH CURRENT FIRM 16
15. FIRM NAME AND LOCATION <i>(City and State)</i> Ronald N.S. Ho & Associates, Inc., Honolulu, Hawaii			
16. EDUCATION <i>(Degree and Specialization)</i> Bachelor of Science, Electrical Engineering		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> Hawaii, Electrical Engineer #14286	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> 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 <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(if applicable)</i>
<b>a.</b> Kona International Airport USDA Inspection Building Kalaoa, Hawaii	2021	2022
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>ROLE:</b> Project Manager. <b>SCOPE:</b> 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. <b>COST:</b> \$ 8.5 million		
<b>b.</b> County of Hawaii Replace Pauahi Bridge in Hilo Hilo, Hawaii	2018	2018
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>ROLE:</b> Project Manager. <b>SCOPE:</b> 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. <b>COST:</b> N/A		
<b>c.</b> Honolulu Police Department Headquarters Fire Alarm Replacement   Honolulu, Hawaii	2022	Ongoing
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>ROLE:</b> Project Manager. <b>SCOPE:</b> RNSHA will provide electrical design to replace the existing fire alarm (FA) system with a new fire alarm system. Design includes devices necessary to meet current fire and ADA codes, demolish existing FA, complete construction documents and cost estimates. Services include coordination reviews, scheduling accessibility, permitting, and assist during construction and final inspection. <b>COST:</b> \$ 3 million		
<b>d.</b> U.S. Army Corps of Engineers Kalia Road/ Maluhia Road Intersection Improvements   Honolulu, Hawaii	2018	2021
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>ROLE:</b> Project Manager. <b>SCOPE:</b> RNSHA is providing electrical design to modify the existing intersection from a corner-to-corner crossing to barns walk (pedestrian scramble) crossing. Design include the replacement of the existing traffic signal control cabinet; new underground traffic signal duct system; new solar powered radar speed sign; re-align the grand stairs from Hale Koa Hotel Hotel to re-direct pedestrian traffic. Services include hiring geotechnical and topo surveyors, architect, structural engineer, civil engineer, traffic engineer, and safety subconsultants. <b>COST:</b> \$ 3 million		



# 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 Project Manager	14. YEARS EXPERIENCE	
		a. TOTAL 17	b. WITH CURRENT FIRM 13
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

<b>a.</b>	(1) TITLE AND LOCATION (City and State) Complete Street Lighting Studies Honolulu, Hawaii	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>ROLE:</b> Project Manager. <b>SCOPE:</b> RNSHA is providing electrical engineering services performing illumination calculations for the City streets included in the Complete Street Rehabilitation Study. Services include recommendations for proposed street lighting to enhance illumination levels in crosswalks and intersections that are deemed deficient based on the illumination calculations. <b>COST:</b> N/A		
<b>b.</b>	(1) TITLE AND LOCATION (City and State) HDOT Ala Aolani Street Crosswalk Illumination Assessment Honolulu, Hawaii	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2021	CONSTRUCTION (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>ROLE:</b> Project Manager. <b>SCOPE:</b> RNSHA provided electrical engineering services performing night time 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 are deemed deficient based on the night time assessment and electrical cost estimate. <b>COST:</b> N/A		
<b>c.</b>	(1) TITLE AND LOCATION (City and State) HDOT Whitmore Avenue Crosswalk Illumination Assessment Wahiawa, Hawaii	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2021	CONSTRUCTION (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>ROLE:</b> Project Manager. <b>SCOPE:</b> RNSHA provided electrical engineering services performing night time illumination assessment for the crosswalks at several intersections along Whitmore Avenue. Services included recommendations for proposed street lighting to enhance illumination levels in crosswalks that are deemed deficient based on the night time assessment and electrical engineer's cost estimate. <b>COST:</b> \$N/A		
<b>d.</b>	(1) TITLE AND LOCATION (City and State) Auahi Promenade Phase 1 Honolulu, Hawaii	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2021	CONSTRUCTION (if applicable) Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>ROLE:</b> Project Manager. <b>SCOPE:</b> RNSHA provided electrical engineering to design underground duct systems within Piikoi Street from Hopaka Street to just short of Ala Moana Boulevard to allow for the existing overhead electric and communications lines to be undergrounded. Services include coordinating with, solicit relocation proposals from and obtain approval of HECO, HTCO, and Spectrum for overhead to underground relocation. <b>COST:</b> \$245,000		
<b>e.</b>	(1) TITLE AND LOCATION (City and State) Salt Lake Boulevard Widening, Phase 3 Honolulu, Hawaii	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2020	CONSTRUCTION (if applicable) Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>ROLE:</b> Project Manager. <b>SCOPE:</b> RNSHA is providing electrical design for overhead utility relocation of the electric and telecommunication lines along Salt Lake Blvd. from Ala Liliko Street to Maluna Street. The electrical design also includes an underground street light system, traffic signal interconnect duct system, and relocation of underground AT&T infrastructure impacted by the project. Provide assistance to complete the requirements of the plans, specifications and estimate checklist required to allow for obligation of Federal Highway Administration funding. <b>COST:</b> \$4 million		



# ARCHITECT-ENGINEER QUALIFICATIONS

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Andrew Izawa, PE	13. ROLE IN THIS CONTRACT Project Manager	14. YEARS EXPERIENCE	
		a. TOTAL 7	b. WITH CURRENT FIRM 3
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)	(2) YEAR COMPLETED	
<b>a.</b>	Elliot Street Wastewater Pump Station – Fuel System Replacement Honolulu, Hawaii	PROFESSIONAL SERVICES 2021	CONSTRUCTION (if applicable) 2022
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>ROLE:</b> Electrical Engineer. <b>SCOPE:</b> RNSHA currently provides electrical engineering design for temporary generator, fuel pump, and SCADA connections for the installation of a new above-grade diesel storage tank; specifications and cost estimate. Services include assistance with plan approvals and during construction. <b>COST:</b> \$35,000 (Electrical)		
<b>b.</b>	University of Hawaii West Oahu Campus Innovative Space Renovation, Honolulu, Hawaii	PROFESSIONAL SERVICES 2021	CONSTRUCTION (if applicable) Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>ROLE:</b> Electrical Engineer. <b>SCOPE:</b> RNSHA currently provides electrical engineering design for a new under-carpet electrical distribution system in Classroom D254 for 6 new tables; quadruplex receptacles; ceiling mounted wireless access point; monitors; demolition of existing audio/visual cabinet; specifications and cost estimate. Services include acquiring approvals for plan and permit, and assistance during construction. <b>COST:</b> \$71,000		
<b>c.</b>	Hawaii Public Housing Authority Redevelopment School Street Phase 1A Residential Building, Honolulu, Hawaii	PROFESSIONAL SERVICES 2023	CONSTRUCTION (if applicable) 2023
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>ROLE:</b> Electrical Engineer. <b>SCOPE:</b> 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. <b>COST:</b> \$110 Million		
<b>d.</b>	University of Hawaii at Manoa HVAC Control System Honolulu, Hawaii	PROFESSIONAL SERVICES 2021	CONSTRUCTION (if applicable) Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>ROLE:</b> Electrical Engineer. <b>SCOPE:</b> RNSHA provided electrical engineering design to provide 120V power to new mechanical control devices, telecommunications connections to the new temperature controls. Services include construction documents and assistance during construction. <b>COST:</b> \$45,000 (Electrical)		



# 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 32	b. WITH CURRENT FIRM 32
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)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	(1) TITLE AND LOCATION (City and State) Keaau-Pahoa Road Intersection Improvements Pahoa, Hawaii	2019	2019
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>ROLE:</b> Electrical Engineer. <b>SCOPE:</b> 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. <b>COST:</b> \$5 million		
b.	(1) TITLE AND LOCATION (City and State) Honolulu Rail Transit Project – City Center Utility Relocation Honolulu, Hawaii	Ongoing	Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>ROLE:</b> Electrical Engineer. <b>SCOPE:</b> 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. <b>COST:</b> N/A		
c.	(1) TITLE AND LOCATION (City and State) DRH Farrington Highway Widening Kapolei, Hawaii	2022	2024
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>ROLE:</b> Electrical Engineer. <b>SCOPE:</b> RNSHA currently provides electrical design coordination services for two separate design packages along Farrington Highway. Package #1-Kapolei Golf Course Access Road to Kaloi Gulch and Package #2 -Kaloi 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. <b>COST:</b> \$35,000,000		
d.	(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	2019	2020
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>ROLE:</b> Electrical Engineer. <b>SCOPE:</b> 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. <b>COST:</b> \$14 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) Department of Transportation Services Pearlridge Transit Plaza and Bus Charging, Honolulu, Hawaii	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2022	CONSTRUCTION (if applicable) 2023
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>ROLE:</b> Electrical Engineer. <b>SCOPE:</b> RNSHA is providing 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. <b>COST:</b> \$14.5 Million		
	(1) TITLE AND LOCATION (City and State) City and County of Honolulu EV Chargers at Various Locations Honolulu, Hawaii	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2021	CONSTRUCTION (if applicable) 2022
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>ROLE:</b> Electrical Engineer. <b>SCOPE:</b> RNSHA is providing 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. <b>COST:</b> \$260,000		
	(1) TITLE AND LOCATION (City and State) Middle Street Oahu Transit Services (OTS) LowNo EV Bus Chargers at Ready Line, Honolulu, Hawaii	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2020	CONSTRUCTION (if applicable) 2021
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>ROLE:</b> Electrical Engineer. <b>SCOPE:</b> 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. <b>COST:</b> \$3,277,700		
	(1) TITLE AND LOCATION (City and State) Daniel K. Inouye International Airport One-Line Diagram Verification and Additional Vaults, Honolulu, Hawaii	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2017	CONSTRUCTION (if applicable) N/A
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>ROLE:</b> Electrical Engineer. <b>SCOPE:</b> : RNSHA provided design services to verify electrical distribution system at the Daniel K. Inouye International Airport. Verification to include all airport distribution equipment and feeders. <b>COST:</b> \$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 Project 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	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	Alii Place Chilled Water Plant Replacement Honolulu, Hawaii	2023	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>ROLE:</b> Electrical Engineer. <b>SCOPE:</b> RNSHA provided engineering design services for the demolition of the existing and installation of a new chiller plant. Services include construction documents and assistance during construction. <b>COST:</b> N/A		
b.	HIARNG Army Aviation Support Facility Kalaeloa, Hawaii	2020	2022
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>ROLE:</b> Electrical Engineer. <b>SCOPE:</b> RNSHA is providing electrical engineering design for the electrical improvements necessary to support the proposed Clear Water Rinse Rack. Design services include a new aircraft wash station, new electrical service; photovoltaic system; exterior lighting system; and interior lighting system. <b>COST:</b> N/A		
c.	HNL BHS Improvement OS Terminal Ph IIT Honolulu, Hawaii	2020	2024
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>ROLE:</b> Electrical Engineer. <b>SCOPE:</b> RNSHA provided electrical engineering design for the replacement of the BHS (baggage handling system) at lobbies 2 and 3. The design included removal and replacement of new electrical distribution system and feeders supporting the new BHS system, relocation and removal of existing light fixtures and telecommunications wiring; new fire alarm connection. Services include providing specification, construction cost estimate, and services during bidding and construction. <b>COST:</b> N/A		
d.	Ala Moana Regional Park Pond Improvements Honolulu, Hawaii	2020	2023
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>ROLE:</b> Electrical Engineer. <b>SCOPE:</b> RNSHA provides electrical design for a new lighting system for the reconfigured parking lot. <b>COST:</b> \$120,000		
e.	Hauula Fire Station Hauula, Hawaii	2018	Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>ROLE:</b> Electrical Engineer. <b>SCOPE:</b> RNSHA provided electrical design for a new fire station. Services include new electrical distribution system, telecommunications infrastructure, fire alarm system, interior and exterior lighting. <b>COST:</b> \$900,000		



# ARCHITECT-ENGINEER QUALIFICATIONS

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <p style="text-align: center;">1</p>		
21. TITLE AND LOCATION <i>(City and State)</i> County of Hawaii Replace Pauahi Bridge in Hilo Hilo, Hawaii	22. YEAR COMPLETED <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2021</td> <td style="width: 50%; text-align: center;">CONSTRUCTION <i>(if applicable)</i> 2023</td> </tr> </table>		PROFESSIONAL SERVICES 2021	CONSTRUCTION <i>(if applicable)</i> 2023
PROFESSIONAL SERVICES 2021	CONSTRUCTION <i>(if applicable)</i> 2023			
<b>23. PROJECT OWNER'S INFORMATION</b>				
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 <i>(City and State)</i>	(3) ROLE
a. Ronald N.S. Ho & Associates, Inc.	Honolulu, Hawaii	Electrical Engineer Subconsultant



# ARCHITECT-ENGINEER QUALIFICATIONS

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 2
21. TITLE AND LOCATION <i>(City and State)</i> County of Hawaii Hai Hai Fire Station Hilo, Hawaii	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2020	CONSTRUCTION <i>(if applicable)</i> 2020
<b>23. PROJECT OWNER'S INFORMATION</b>		
a. PROJECT OWNER County of Hawaii Department of Public Works	b. POINT OF CONTACT NAME Richard Wong (KYA Design Group)	c. POINT OF CONTACT TELEPHONE NUMBER (808) 973-1123

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

The project consists of the construction of a new fire station with associated apparatus bay, training / class room, dormitory, generator enclosure, fueling station, site work, driveways, parking lots, individual wastewater system, landscaping, mechanical, electrical, all necessary utilities and appurtenances in accordance with the plans and specifications.

**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.

**PROJECT COST:** \$7.5 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	Prime Electrical Engineer



# ARCHITECT-ENGINEER QUALIFICATIONS

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <b>3</b>
21. TITLE AND LOCATION <i>(City and State)</i> County of Hawaii Parks Electrical and Lighting Improvements – Hualani, Kailua, and Shipman Parks Island of Hawaii	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES <b>2015</b>	CONSTRUCTION <i>(if applicable)</i> <b>2018</b>
<b>23. PROJECT OWNER'S INFORMATION</b>		
a. PROJECT OWNER County of Hawaii Department of Parks and Recreation	b. POINT OF CONTACT NAME James Komata	c. POINT OF CONTACT TELEPHONE NUMBER (808)961-8531

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

**SCOPE:** 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.

**PROJECT COST:** \$4.4 Million

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>a.</b>	Ronald N.S. Ho & Associates, Inc.	Honolulu, Hawaii	Electrical Engineering Prime



# ARCHITECT-ENGINEER QUALIFICATIONS

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	20. EXAMPLE PROJECT KEY NUMBER <p style="text-align: center;">4</p>
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21. TITLE AND LOCATION <i>(City and State)</i> Keeau – Pahoa Road Intersection Improvements Pahoa, Hawaii	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2019	CONSTRUCTION <i>(if applicable)</i> 2019

<b>23. PROJECT OWNER'S INFORMATION</b>
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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
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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

<b>25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT</b>		
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(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

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	20. EXAMPLE PROJECT KEY NUMBER <p style="text-align: center; font-size: 1.2em;">5</p>
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21. TITLE AND LOCATION <i>(City and State)</i> Kona International Airport Terminal Modernization Project Phase 1 Kalaoa, Hawaii	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES <p style="text-align: center;">2020</p>	CONSTRUCTION <i>(if applicable)</i> <p style="text-align: center;">2020</p>

23. PROJECT OWNER'S INFORMATION		
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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
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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		
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(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

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	20. EXAMPLE PROJECT KEY NUMBER <b>6</b>
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21. TITLE AND LOCATION <i>(City and State)</i> Kona International Airport USDA Inspection Building Kalaoa, Hawaii	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2021	CONSTRUCTION <i>(if applicable)</i> 2022

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) 748-5836

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

**SCOPE** RNSHA provided electrical design for a new USDA Inspection Building at the Kona International Airport. The design included interior and exterior lighting and electrical systems, new baggage handling equipment, ADA compliant fire alarm devices, and lightning protection system.

**PROJECT COST:** \$8.5 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

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <p style="text-align: center; font-size: 1.2em;">7</p>
21. TITLE AND LOCATION <i>(City and State)</i> Ellison Onizuka Kona International Airport at Keahole Federal Inspection Services (FIS) Building Keahole, Hawaii	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2018	CONSTRUCTION <i>(if applicable)</i> 2021
<b>23. PROJECT OWNER'S INFORMATION</b>		
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

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	20. EXAMPLE PROJECT KEY NUMBER <p style="text-align: center; font-size: 1.2em;">8</p>				
21. TITLE AND LOCATION <i>(City and State)</i> Department of Hawaiian Home Lands La'i'Opua Village 4 HEMA Subdivision Kailua-Kona, Hawaii	22. YEAR COMPLETED <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">PROFESSIONAL SERVICES</td> <td style="padding: 2px;">CONSTRUCTION <i>(if applicable)</i></td> </tr> <tr> <td style="text-align: center; padding: 2px;">2016</td> <td style="text-align: center; padding: 2px;">N/A</td> </tr> </table>	PROFESSIONAL SERVICES	CONSTRUCTION <i>(if applicable)</i>	2016	N/A
PROFESSIONAL SERVICES	CONSTRUCTION <i>(if applicable)</i>				
2016	N/A				

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER Department of Hawaiian Home Lands/ Ikaika Ohana /Urban Housing Communities	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 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 1 phase of Village 4 (Akau).

**PROJECT COST:** \$2.3 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  
9

21. TITLE AND LOCATION <i>(City and State)</i> Kaiaulu O Waikoloa Waikoloa, Hawaii	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2020	CONSTRUCTION <i>(if applicable)</i> 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	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  
10

21. TITLE AND LOCATION <i>(City and State)</i> Lanihau Landscape Meters Kailua-Kona, Hawaii	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(if applicable)</i> Ongoing

### 23. PROJECT OWNER'S INFORMATION

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

### 29. EXAMPLE PROJECTS KEY

No.	Title of Example Project <i>(from Section F)</i>	No.	Title of Example Project <i>(from Section F)</i>
1.	County of Hawaii Replace Pauahi Bridge in Hilo, Hawaii	6.	Kona International Airport USDA Inspection Building Kalaoa, Hawaii
2.	County of Hawaii Hai Hai Fire Station Hilo, Hawaii	7.	Ellison Onizuka Kona International Airport at Keahole Federal Inspection Services (FIS) Building Kalaoa, Hawaii
3.	County of Hawaii Hualani Shipman Parks Improvements Hawaii Island	8.	DHHL La'ī'opua Village 4 HEMA Subdivision Kailua-Kona, Hawaii
4.	Keaau-Paho Road Intersection Improvements Paho, 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.)

### 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 46 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, and 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:

#### 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 system, exterior lighting, playcourt and park access road. The project included an EV charger.



# ARCHITECT-ENGINEER QUALIFICATIONS

## H. ADDITIONAL INFORMATION

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

- 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.
- Ellison Onizuka Kona International Airport at Keahole Federal Inspection Services (FIS) Building. 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.
- 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.
- Lanikai Landscape Meters. RNSHA is providing 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.
- 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.



# ARCHITECT-ENGINEER QUALIFICATIONS

## H. ADDITIONAL INFORMATION

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

- 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 consultant and project management.
- 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. Providing 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.



# ARCHITECT-ENGINEER QUALIFICATIONS

## H. ADDITIONAL INFORMATION

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

- 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 a 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 1<sup>st</sup> 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.
- Hawaii Community Correction Center – Office Spaces & Bathroom Repairs & Improvements. RNSHA provided electrical design services for demolition and renovation to the facility. Design included telcom, 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 Punahale and Komohana facilities. Also provided a load study report.
- Hawaii Community Correctional Center Replace Emergency Generator System at Punahale. Provided design to replace and upgrade the existing emergency generator and include a new propane storage tank.



# ARCHITECT-ENGINEER QUALIFICATIONS

## H. ADDITIONAL INFORMATION

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

### CLIENT REFERENCES

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

Bowers + Kubota Consulting  
Jay Stone, PE, LEED AP  
Principal  
(808) 521-5361

Okahara & Associate, Inc  
Bruce Meyers, PE  
President  
(808) 524-1224

ParEn, Inc.  
Keith Uemura, PE  
President  
(808) 593-1676

Wilson Okamoto Corporation  
Michael Fujita, PE  
President  
(808) 955-7770

### 5. Any promotional or descriptive literature which the individual or firm desires to submit.

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

## I. Authorized Representative

The foregoing is a statement of facts.

31. SIGNATURE



32. DATE

June 28, 2024

33. NAME AND TITLE

Sean Sugai, PE, President



# ARCHITECT-ENGINEER QUALIFICATIONS

<b>ARCHITECT-ENGINEER QUALIFICATIONS</b>	1. SOLICITATION NUMBER (if any) 24-25
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## PART II - GENERAL QUALIFICATIONS

*(If a firm has branch offices, complete for each specific branch office seeking work.)*

2a. FIRM (OR BRANCH OFFICE) NAME Ronald N. S. Ho & Associates, Inc.			3. YEAR ESTABLISHED 1978	4. UNIQUE ENTITY IDENTIFIER H55SHT2WFT57
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	N/A			


8a. FORMER FIRM NAME(S) (If any) N/A	8b. YR. ESTABLISHED N/A	8c. DUNS NUMBER N/A
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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	13		E03	Electrical Studies & Design	4
58	Technical/Analyst	17		R04	Recreational Facilities (Parks, Marinas, etc.)	1
08	CADD Technician	6		A06	Power Generator, Transmission, Distribution	6
02	Administrative	10		G01	Garages; Vehicles Maintenance facilities; Parking Decks	1
				H11	Housing (Residential, Multi-Family; Apartments; Condos)	4
				F02	Field Houses; Gyms; Stadiums	5
				W03	Water Supply; Treatment & Disposal	5
				S04	Sewage Collection; Treatment & Disposal	5
				H07	Highways, Streets, Airfield, Paving; Parking Lots	4
				R03	Railroad; Rapid Transit	5
	Other Employees			A06	Airports; Terminals & Hangars; Freight Handling	4
	<b>Total</b>	46		H01	Harbors; Jetties; Piers, Ship Terminal Facilities	1

1. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS <i>(Insert revenue index number shown at right)</i>		PROFESSIONAL SERVICES REVENUE INDEX NUMBER								
		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
a. State Work	1									
b. Non-State Work	8									
c. Total Work	8									

## 12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE 	b. DATE June 28, 2024
c. NAME AND TITLE Sean Sugai, PE, President	







~~Professional Licenses~~

SEAN K SUGAI  
559 22ND AVENUE  
HONOLULU, HI 96816

PROFESSIONAL ENGINEER



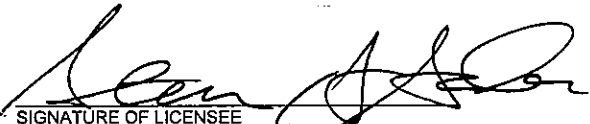
**NOTICE** THIS POCKET ID CARD IDENTIFIES YOU TO THE PUBLIC AS BEING CURRENTLY LICENSED AND SHOULD BE KEPT IN YOUR POSSESSION AT ALL TIMES.

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

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
<small>STATE OF HAWAII DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS</small>			
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			

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
<small>STATE OF HAWAII DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS</small>			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



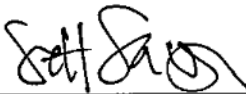
**NOTICE** THIS POCKET ID CARD IDENTIFIES YOU TO THE PUBLIC AS BEING CURRENTLY LICENSED AND SHOULD BE KEPT IN YOUR POSSESSION AT ALL TIMES.

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			
Digitally signed by Andrew T Izawa Date: 2024.03.04 08:47:31 -10'00'			
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			

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

PROFESSIONAL ENGINEER



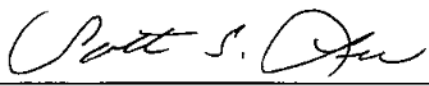
**NOTICE** THIS POCKET ID CARD IDENTIFIES YOU TO THE PUBLIC AS BEING CURRENTLY LICENSED AND SHOULD BE KEPT IN YOUR POSSESSION AT ALL TIMES.

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			
 SIGNATURE OF LICENSEE			

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

PROFESSIONAL ENGINEER



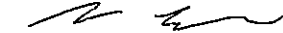
**NOTICE** THIS POCKET ID CARD IDENTIFIES YOU TO THE PUBLIC AS BEING CURRENTLY LICENSED AND SHOULD BE KEPT IN YOUR POSSESSION AT ALL TIMES.

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

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. is one of Hawaii's largest electrical engineering consulting firms. We provide electrical engineering services for federal, state and city government agencies and private clients. Our market sectors include 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+**





“

*The core values at RNSHA emphasize character, caring, courageous, and community.*

*The basis of these values underlie our work ethics, client relations, and business strategies to support and contribute to a growing company.”*

*Sean Sugai, P.E.  
President, RNSHA*

# ELECTRICAL ENGINEERING

From utility studies, to master planning, to full design and construction administration, we provide a full range of electrical engineering design and consulting services. Markets that we serve include the following:

## **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

Our project and construction management division was created at the request of our clients to provide professional construction management and inspection services for electrical and telecommunication projects. With an experienced team of construction and project managers, inspectors, and engineers, we provide construction management services for commercial facilities, water distribution facilities, government structures, educational facilities, infrastructure and transportation.

## Services provided

- Planning and Scheduling
- Budgeting
- Bid Packaging
- Contract Management
- Repair and Maintenance Inspection
- Project Management
- Construction Management and Inspection
- Building Inspection
- Tenant Coordination
- Project Closeout
- Commissioning
- Third Party Inspection

# ENERGY SOLUTIONS

A division of Ronald N.S. Ho & Associates, RHA Energy Partners provides clients with turnkey energy services that help improve their overall business and bottom line. RHA Energy Partners was created to expand upon the firm's capabilities and expertise in energy services and solutions and provide clients with more comprehensive turnkey energy services. We are able to more efficiently and effectively provide meaningful solutions for our clients across a wider platform of technologies, positively impacting our clients' overall business and bottom line.

## Services provided

- Traditional Energy Efficiency Measures
- On-Site Renewable Energy Opportunities
- Progressive and Innovative Solutions

## Markets served

- Office and Commercial Real Estate
- Healthcare and Medical Facilities
- Hospitality and Leisure
- Education
- Government
- Banking and Financial Sector





**Ronald N.S. Ho & Associates**  
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#### 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**