



COUNTY OF HAWAII MASS TRANSIT AGENCY

June 28, 2024

STATEMENT OF QUALIFICATIONS FOR PROFESSIONAL SERVICES FISCAL YEAR 2024 - 2025

TA.5) COMMUNITY PLANNING

**PUBLIC TRANSIT MARKETING AND COMMUNITY
OUTREACH**

June 28, 2024

Mr. Victor Kandle
County of Hawai'i
25 Aupuni Street, Suite 1301
Hilo, Hawai'i 96720-4424

**Subject: Professional Services During Fiscal Year 2024-2025
TA.5) Community Planning (Public Transit Marketing and Community Outreach)**

Dear Mr. Kandle:

Bowers + Kubota Consulting (B+K) is pleased to submit our letter of interest and qualifications to provide professional services during the fiscal Year 2024-2025 for the above referenced category. We believe our staff with its extensive experience can provide the professional services required for your upcoming projects.

Over the past 44 years, B+K has provided outstanding architectural/engineering design, program and project management, construction management, and planning services across the State of Hawai'i while living our mission statement of **Fulfilling Visions. Building Trust.** Our extensive experience has resulted in successfully completing numerous projects for a variety of public agencies and private industry clients.

Should you have any questions or require additional information, please contact me by telephone at (808) 836-7787 or by email at jstone@bowersandkubota.com.

Respectfully,

BOWERS + KUBOTA CONSULTING, INC.



Jay Stone, PE, BCEE, CFM, CPSWQ, ESCPC, CPESC, CWPPP, CESCPC, LEED AP
Principal-in-Charge





STANDARD
FORM 330

ARCHITECT - ENGINEER QUALIFICATIONS

PART I - CONTRACT SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION1. TITLE AND LOCATION (*City and State*)

Professional Services in Fiscal Year 2024 - 2025

2. PUBLIC NOTICE DATE

June 1, 2024

3. SOLICITATION OR PROJECT NUMBER

TA.5) Community Planning (Public Transit Marketing and Community Outreach)

B. ARCHITECT - ENGINEER POINT OF CONTACT

4. NAME AND TITLE

Kathleen Chu, PE, Principal-in-Charge

5. NAME OF FIRM

 Bowers + Kubota Consulting

6. TELEPHONE NUMBER

(808) 836-7787

7. FAX NUMBER

(808) 834-4833

8. E-MAIL ADDRESS

kchu@bowersandkubota.com

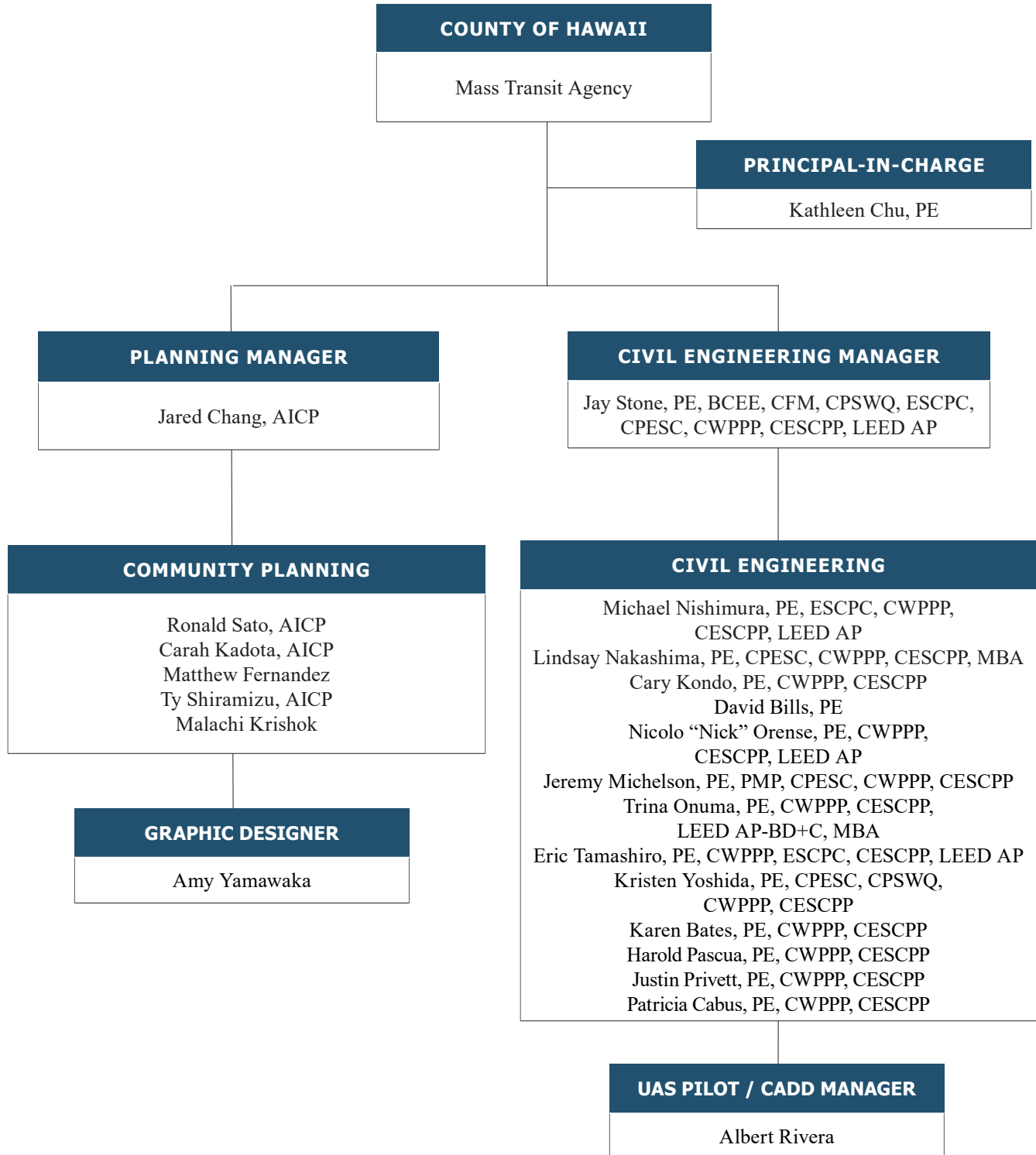
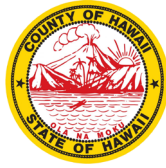
C. PROPOSED TEAM

(COMPLETE THIS SECTION FOR THE PRIME CONTRACTOR AND ALL KEY SUBCONTRACTORS.)

	(CHECK)			9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
	PRIME	J-V PARTNER	SUB-CONTRACTOR			
a.	X			Bowers + Kubota Consulting ☐ CHECK IF BRANCH OFFICE	94-408 Akoki Street Suite 201-A Waipahu, HI 96797	TA.5) Community Planning (Public Transit Marketing and Community Outreach)
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		
g.				☐ CHECK IF BRANCH OFFICE		

D. ORGANIZATIONAL CHART OF PROPOSED TEAM☒ (ATTACHED)

D. ORGANIZATIONAL CHART OF PROPOSED TEAM



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
Kathleen Chu, PE	Principal in Charge	32	2

15. FIRM NAME AND LOCATION (City and State)

 Bowers + Kubota Consulting, Waipahu, HI

16. EDUCATION (Degree and Specialization)

Bachelor of Science, Civil Engineering

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

HI, Professional Engineer/Civil [#12808 (exp. 4/30/2026)]
CA, Professional Engineer/Civil [#54022 (exp. 12/31/2025)]

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

Hawaii Council of Engineering Societies, Current Vice Chair
American Council of Engineering Companies of Hawaii
Engineering Sector Partnership, Chamber of Commerce, Women in STEM Lead
American Society of Civil Engineers, Transportation Chair
Construction Management Association of America (CMAA)

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
Statewide and Regional Long-Range Land Transportation Plans for the Islands of Kauai, Hawaii, Molokai, and Lanai Statewide, Hawaii	Ongoing	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
a. ROLE: Project Manager SCOPE: B+K is working with Jacobs, Inc. to update the develop Statewide and Regional Federal-Aid Highways Transportation Plans for the Districts of Hawaii and Kauai and islands of Molokai and Lanai to establish specific statewide and regional land transportation goals and objectives, analyze land use and transportation system data, address federal long-range comprehensive planning requirements, analyze the social, economic, energy, and environmental effects of transportation. The plans will include intermodal land transportation solutions, define a multi-source financial plan, and a public engagement plan that provides continuing participation opportunities and incorporates the needs of those traditionally underserved by existing transportation systems. CONTRACT VALUE: \$1,000,000		
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
State of Hawaii, Department of Transportation, Highways Vulnerable Road User Safety Assessment (VRUSA) Statewide, Hawaii	Ongoing	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
b. ROLE: Project Manager SCOPE: Working with the HDOT to develop the State's first Vulnerable Road User Safety Assessment (VRUSA). A VRUSA is an assessment of the safety performance of a State with respect to vulnerable road users and the plan for the State to improve the safety of vulnerable road users. Addressing the safety of vulnerable road users through a collaborative and comprehensive approach allows people that walk, bike, and roll full and safe access to our transportation system. The assessment will include the Safe System Approach, which aims to improve safety culture, increase collaboration across all stakeholders, and refocus transportation system design and operation on anticipating human mistakes and lessening impact forces to reduce crash severity and save lives. CONTRACT VALUE: \$575,000		
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
State of Hawaii, Department of Transportation, Highways Route 50 (Kaunualii Highway) Feasibility Study, Hanapepe to Kekaha, Kauai	Ongoing	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
c. ROLE: Project Manager SCOPE: B+K will conduct a Feasibility Study to explore conceptual details, constraints, and prospective timelines for different resiliency improvement alternatives based on probable future scenarios of concern for Route 50, Kaunualii Highway, from Hanapepe to Kekaha. The scope of work will include coastal modeling of tidal flood frequency analysis and high-resolution sea level rise and wave inundation modeling. The modeling will be conducted for a variety of future sea level rise scenarios combined with different wave events to help estimate the frequency of occurrence of flooding at selected intervals in the future. PROJECT COST: N/A		
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
County of Maui, Department of Public Works Waiale Road Extension Project Waikapu, Maui, Hawaii	Ongoing	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
d. ROLE: Project Manager SCOPE: Project manager providing the County of Maui cradle to grave services, from planning through construction, on the Waiale Road Extension project. The roadway improvements will include a single span bridge over Waikapu Stream, roundabout intersections, two through lanes, shoulder bikeways, pedestrian sidewalks, a shared-use path, and two parallel grassy swales, which will serve as a permanent stormwater best management practice (BMP). The project team conduct agency and public coordination, both to seek input and provide information relating to the environmental and design related tasks. The environmental documentation for the improvement project will be prepared as a joint NEPA/HRS 343 environmental assessment. The construction bid documents will include construction plans, specifications, engineer's estimate, and permits PROJECT COST: \$72,000,000 (estimated)		

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
Jared Chang, AICP	Planning Manager / Senior Project Planner	19	1

15. FIRM NAME AND LOCATION (City and State)

 Bowers + Kubota Consulting, Waipahu, HI

16. EDUCATION (Degree and Specialization)

Bachelor of Arts, Public Administration (formal city planning emphasis)

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

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

American Council of Engineering Companies, Senior Executive Institute, Class 26 Graduate (2022)
American Planning Association, Hawaii Chapter Secretary (2017-present)

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	City & County of Honolulu, Department of Planning and Permitting North Shore Sustainable Communities Plan Update Various, HI	2022	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Senior Planner/Meeting Facilitator SCOPE: The plan will establish the vision, policies, and land use patterns for the North Shore Planning District through 2040 and beyond. It will be developed using an inclusive process that combines research and data collection with community input. The plan will analyze and address new and emerging policy issues including climate change and sea level rise, as well as economic and tourism implications from COVID-19. Estimated construction cost is not applicable. PROJECT COST: N/A		
b.	County of Maui, Department of Public Works Waiale Road Extension Project Waikapu, Maui, Hawaii	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Project Planner SCOPE: Project manager providing the County of Maui cradle to grave services, from planning through construction, on the Waiale Road Extension project. The roadway improvements will include a single span bridge over Waikapu Stream, roundabout intersections, two through lanes, shoulder bikeways, pedestrian sidewalks, a shared-use path, and two parallel grassy swales, which will serve as a permanent stormwater best management practice (BMP). The project team conduct agency and public coordination, both to seek input and provide information relating to the environmental and design related tasks. The environmental documentation for the improvement project will be prepared as a joint NEPA/HRS 343 environmental assessment. The construction bid documents will include construction plans, specifications, engineer's estimate, and permits. PROJECT COST: \$72,000,000 (estimated)		
c.	The Wilhelm Group for State of Hawaii, Department of Transportation, Harbors Hilo and Kahului Harbor Land Acquisition	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Project Planner SCOPE: Assisting with the acquisition of privately held lands surrounding Hilo and Kahului Harbors and production of a Harbors Facilities Plan that will summarize the potential options that DOT-H may have in utilizing the acquired lands, assisting with the infrastructure due diligence, and preparing an Environmental Assessment for the harbors. Design vehicle maneuverability, harbor access points and major harbor use operations, forecasted harbor buildout and activities, and planned use and improvements to adjacent thoroughfares and streets were evaluated and agencies consulted with to formulate optimal use and development of the private lots to complement harbor improvements. PROJECT COST: N/A		
d.	City and County of Honolulu, Department of Design and Construction Kahawainui Stream Dredging Laie, HI	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Project Planner SCOPE: B+K is preparing construction plans and specifications for the maintenance dredging of the city-owned portion of Kahawainui Stream between the intersection with Laie Wai Stream to the mouth of the stream excluding the sand berm at the stream mouth. An environmental review consisting of a Draft and Final Environmental Assessment, with a Finding of No Significant Impact (FONSI), will be prepared in accordance to the Hawaii Revised Statutes Chapter 343. PROJECT COST: \$2,000,000		
e.	Maui Metropolitan Planning Organization (MPO) Maui MPO Public Participation Plan Update Wailuku, HI	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Project Manager SCOPE: Prepared an update to the 2017 Public Participation Plan for the Maui MPO to identify and describe the strategies that will be used to encourage participation by interested parties and the general public in the development of the MPO's Maui Multimodal Transportation Plan, Transportation Improvement Program (TIP), Unified Planning Work Program (UPWP) and various planning studies. PROJECT COST: N/A		

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
Ronald Sato, AICP	Senior Project Manager/Senior Planner	34	1

15. FIRM NAME AND LOCATION (City and State)

 **Bowers + Kubota Consulting, Waipahu, HI**

16. EDUCATION (Degree and Specialization)

Master of Arts, Urban and Regional Planning
Bachelor of Science, Political Science

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

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

American Institute of Certified Planners (Certificate No. 014538) American Planning Association, National and Hawaii Chapters
Historic Hawaii Foundation, Board of Trustees (2010-2016)

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
State of Hawaii, Department of Transportation, Harbors Division Pier 40 Improvements Honolulu Harbor; EIS Honolulu, HI	Ongoing	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
a. ROLE: Senior Project Manager SCOPE: The State Department of Transportation, Harbors Division is proposing improvements to Piers 39 and 40 that's used by Young Brothers as an interisland terminal. The project would fill the harbor area between Piers 39 and 40 and demolish certain areas of these piers to offset fill and loss of U.S. waters. Inland areas would be raised 3 feet to address sea level rise and redevelopment of Young Brothers facilities. An EIS would be prepared along with addressing several federal requirements to support a U.S. COE Individual Permit for pier work. PROJECT COST: N/A		
The Wilhelm Group for State of Hawaii, Department of Transportation, Harbors Hilo and Kahului Harbor Land Acquisition	Ongoing	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
b. ROLE: Senior Project Manager SCOPE: Assisting with the acquisition of privately held lands surrounding Hilo and Kahului Harbors and production of a Harbors Facilities Plan. Design vehicle maneuverability, harbor access points and major harbor use operations, forecasted harbor buildout and activities, and planned use and improvements to adjacent thoroughfares and streets were evaluated and agencies consulted with to formulate optimal use and development of the private lots to complement harbor improvements. PROJECT COST: N/A		
State DLNR, Division of Forestry & Wildlife Kawainui-Hamakua Marsh Master Plan; Final Environmental Impact Statement, Kailua, HI	2020	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☐ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
c. ROLE: Senior Project Manager SCOPE: The State DLNR, DOFAW updated their master plan for the 986-acre Kawainui-Hamakua Marsh Complex in partnership with DSP. The master plan supported wetland restoration, upland reforestation, created areas for native Hawaiian cultural practices, and supported public access and educational programs. Completed an EIS approved by the State Land Board and withstood a legal challenge. Work included extensive community outreach to address concerns and effective community-based planning. PROJECT COST: \$53,300,000		
Hawaii Public Housing Authority 2020 Environmental Reviews Statewide	2022, 2016, 2011	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☐ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
d. ROLE: Senior Project Manager SCOPE: Conducted and documented HPHA's Environmental Reviews (ER) of 70 federal housing projects statewide for 2020, 2015, and 2010. The 2020 review included using HUD's Environmental Review Online System (HEROS). These ERs satisfied HUD's NEPA requirements for issuing Categorical Exclusions for funding repair and rehabilitation work implemented by HPHA statewide. Environmental reviews addressed several federal cross-cutter regulations (Section 7, 106, floodplain management, hazardous materials, CZM, air quality, noise regulations, etc.). PROJECT COST: \$66,000,000		

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
Carah Kadota, AICP	Assistant Planning Project Manager	8	1

15. FIRM NAME AND LOCATION (City and State)

BK Bowers + Kubota Consulting, Waipahu, HI

16. EDUCATION (Degree and Specialization)

Bachelor of Environmental Design

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

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

American Planning Association, Hawaii Chapter

American Institute of Certified Planners (Certificate No. 34599)

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	City and County of Honolulu, Department of Design and Construction Kahawainui Stream Dredging Laie, HI	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
	ROLE: Planner SCOPE: B+K is preparing construction plans and specifications for the maintenance dredging of the city-owned portion of Kahawainui Stream between the intersection with Laie Wai Stream to the mouth of the stream excluding the sand berm at the stream mouth. An environmental review consisting of a Draft and Final Environmental Assessment, with a Finding of No Significant Impact (FONSI), will be prepared in accordance to the Hawaii Revised Statutes Chapter 343. PROJECT COST: \$2,000,000		
b.	County of Maui, Metropolitan Planning Organization Maui MPO Public Participation Plan Update Maui County, HI	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
	ROLE: Planner SCOPE: Prepared an update to the 2017 Public Participation Plan for the Maui MPO to identify and describe the strategies that will be used to encourage participation by interested parties and the general public in the development of the MPO's Maui Multimodal Transportation Plan, Transportation Improvement Program (TIP), Unified Planning Work Program (UPWP) and various planning studies. PROJECT COST: N/A		
c.	State of Hawaii, Department of Business, Economic Development & Tourism, Hawaii Technology Development Corporation First Responders Technology Campus (FRTC) Mililani, HI	N/A	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☐ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
	ROLE: Planner SCOPE: Included preliminary planning and permitting and the preparation of a HRS Ch. 343 Environmental Impact Statement for the development of a 245-acre First Responder Technology Campus as well as an Emergency Operations Center for the state's first responders. PROJECT COST: \$300,000,000		
d.	State of Hawaii, Department of Transportation, Harbors Division Consulting Engineer's Report for FY2017-2019, State of Hawaii Statewide	2021	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☐ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
	ROLE: Planner SCOPE: Preparation of a Consulting Engineer's Report that examined the operations of all commercial harbors and associated improvements within fiscal year 2017-2019. PROJECT COST: \$50,000		
e.	County of Kauai, Department of Public Works Ahukini to Lydgate Bike and Pedestrian Path Lihue, HI	N/A	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☐ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM		
	ROLE: Planner SCOPE: Preparation of a SMA Permit, Shoreline Setback Application CDUP and HRS Ch. 6E-8 submittal. Grant of easements and preliminary right-of-way maps were also prepared for the acquisition of land from the State and private landowners. PROJECT COST: \$1,000,000		

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
Matthew Fernandez	Assistant Planner	4	1

15. FIRM NAME AND LOCATION (City and State)

 Bowers + Kubota Consulting, Waipahu, HI

16. EDUCATION (Degree and Specialization)

Master of Science, Urban and Regional Planning
Bachelor of Science, Natural Resource and Environmental Management

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

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

American Planning Association, Hawaii Chapter
Community Emergency Response Team - Federal Emergency Mgmt. Agency & Be Ready Manoa

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	Office of Hawaiian Affairs Kukaniloko Green House & Nursery Phase 1 Honolulu, HI	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Assistant Planner SCOPE: Planning and development of a greenhouse/nursery operation near the birthing stones site (Kukaniloko) in Wahiawa central Oahu. The project included through putting native species for outplanting and eventual use for reforestation of the Lake Wilson site edge. The site is sloped and designed for various equipment circulation, green waste management, irrigation, a full range nursery operations, educational functions, public visitation and for-sales produce including aquaponic vegetables. PROJECT COST: N/A		
b.	County of Maui, Planning Department South Maui Community Plan Update Various Locations, HI	2022	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Planner SCOPE: Updated the South Maui Community Plan that included the regions from Maalaea, Kihei, Wailea, Makena, to Ahihi-Kinau/Kanaio. The updated plan provides a vision, a community plan map, goals, policies and actions to guide County officials and staff, property owners, developers, and residents on the appropriate growth and redevelopment patterns for South Maui for the next 20 years. PROJECT COST: \$7,000,000 (estimated)		
c.	State of Hawaii, Department of Transportation, Airports Ahukini Landfill Restoration, Phase II Lihue, HI	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Planner SCOPE: Bowers + Kubota Consulting is currently working with various agencies to develop a plan to deal with shearwater bird habitats in the project area; creating construction plans and specifications to stabilize a coastal slope containing landfill debris; and obtaining all necessary approvals and permits to allow such work. Project scope includes planning, environmental services, surveying, permitting, design and construction and post-construction support services. The scope also includes coordination with the State Hazard Evaluation and Emergency Response (HEER) Office to address the mitigation and removal of debris that has fallen into the ocean. PROJECT COST: \$8,600,000		
d.	NICELES Unipessoal Timor-Leste	2022 - 2023	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Environment/Planning Technical Adviser SCOPE: Conducted due diligence and reviewed environmental reports for the proposed project. Provided technical assistance & guidance related to the environmental and planning aspects of the project. PROJECT COST: N/A		

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
Ty Shiramizu, AICP	Planner	3	<1

15. FIRM NAME AND LOCATION (City and State)

 Bowers + Kubota Consulting, Waipahu, HI

16. EDUCATION (Degree and Specialization)

Master of Science, Urban and Regional Planning
Bachelor of Arts, Biology and Minor in Economics

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

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

American Planning Association, American Institute of Certified Planners (Pending)

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
Hawaii Health Systems Corporation (HHSC) Samuel Mahelona Memorial Hospital TOD Master Plan Update Kapaa, Kauai, HI		PROFESSIONAL SERVICES 2022-2024	CONSTRUCTION (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		☐ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
a. ROLE: Planner SCOPE: Updated existing TOD Master Plan to include adjacent State parcels and produce a master plan for the hospital campus that would provide housing, public services such as a library, police station, and other public services, while being centered around alternative transportation options and public transit. Included coordinating and note taking for meetings with an advisory group (10+), community meetings (3+), and agency/stakeholder groups (3+). Also included survey implementation and analysis, production of flyer's and informational material, presentation and report drafting, video and audio editing, management of project website, email account, and contact list, and GIS work/analysis for the production of figures for EISPN. PROJECT COST: N/A			
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
DLNR – Division of State Parks Polihale State Park Interim Access and Management Plan Kekaha, Kauai, HI		PROFESSIONAL SERVICES 2022-2023	CONSTRUCTION (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		☐ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
b. ROLE: Planner SCOPE: Conducted community outreach to receive and analyze feedback about issues, priorities, and opportunities for an access and management plan for Polihale State Park following a period of overuse during COVID-19. Centered around issues of access, natural and cultural resource management, and collaboration with nearby government and community organizations. Included implementation and analysis of multiple surveys, coordinating and reporting on key stakeholder meetings (6+) and community meetings (4+), updates to client, managing project website and email account, and drafting presentations and final report. PROJECT COST: N/A			
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
City and County of Honolulu Department of Planning and Permitting Waianae Sustainable Communities Plan Update Waianae, Oahu, HI		PROFESSIONAL SERVICES 2022-2024	CONSTRUCTION (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		☐ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
c. ROLE: Planner SCOPE: Project to update the Waianae Sustainable Communities Plan (last updated in 2012) to review and develop a community vision for the plan. The plan would act as a guide for City decision makers, private developers and landowners, etc. Involved multiple community meetings and workshops (6+), client update meetings, advisory group meetings (10+), and coordination/note-taking/report writing on all of the above. Implemented 3+ surveys for feedback on different stages of the plan, produced community land use maps and other maps for use in the plan or for community engagement with GIS, assisted with policy recommendations, drafting of public-facing fact sheets, and deliverables management. PROJECT COST: N/A			
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
Hawaii Housing and Finance Development Corporation Liliha Civic Center Master Plan & Iwilei Infrastructure Improvement Master Plan Honolulu, Oahu, HI		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		☐ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
d. ROLE: Planner SCOPE: Project to develop a master plan for the area which provided space for State Programs, affordable housing, and supportive infrastructure with the goal of achieving TOD goals. Assisted with an economic-fiscal model and analysis and report as well as meetings and meeting notes. PROJECT COST: N/A			
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
County of Kauai Transportation Agency Kauai Bus Facilities Expansion EA Lihue, Kauai, HI		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		☐ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
e. ROLE: Planner SCOPE: Conducted research and drafted environmental review document for the expansion of Kauai Bus facilities to enable the use and maintenance of electric buses. Included GIS work to inform and produce figures for the EA, early consultation mail out and management of response letters, site visit and photography, and correspondence/updates with the client. PROJECT COST: N/A			

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
Malachi Krishok	Planner	9	<1

15. FIRM NAME AND LOCATION (City and State)

 Bowers + Kubota Consulting, Waipahu, HI

16. EDUCATION (Degree and Specialization)

Master of Science, Urban and Regional Planning
Bachelor of Arts, Politics (major) Urban and Environmental Policy (minor)

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

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

American Planning Association, Hawaii Chapter

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	Kauai County Special Treatment-Coastal Edge Overlay Zone Development Standards Island Of Kauai, HI	2022	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Senior Planner SCOPE: Worked with the County of Kauai to develop development standards and review criteria for new development proposed within the County's new Special Treatment-Coastal Edge zone. The standards and criteria will be incorporated into the County's comprehensive zoning ordinance once approved. Assisted with research and GIS mapping and analysis. CONTRACT VALUE: N/A		
b.	DHHL Anahola Regional Plan Update Anahola, HI	2023	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Project Manager SCOPE: As project manager, lead the development, coordination, and execution of a community driven process centered on beneficiary and stakeholder engagement to develop an updated regional plan for the Anahola, Kauai homestead area. DHHL regional plans build a sense of community and capacity to stimulate partnerships for development and implementation of priority projects within existing and planned homestead communities. The process involved identifying and mapping issues, opportunities, and assets related to community resilience. CONTRACT VALUE: N/A		
c.	West Kauai Community Plan West Kauai, HI	2024	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Senior Planner SCOPE: Assisted the County of Kauai Planning Department with the design and production of community outreach materials for the West Kauai Community Plan and the processing and analysis of community outreach data, which were drafted into a Discussion Draft Open House Public Comments Summary Report. Also assisted with the graphic design layout and production of the Final Plan. PROJECT COST: N/A		
d.	North Shore Sustainable Communities Plan Update North Shore, HI	2022	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Senior Planner SCOPE: Updated the City and County of Honolulu, Department of Planning and Permitting North Shore Sustainable Communities Plan. The plan established the vision, policies, and land use patterns for the North Shore Planning District through 2040 and beyond. Updated involved an inclusive process that combined research and data collection with community input to analyze and address new and emerging policy issues including climate change and sea level rise, as well as economic and tourism implications from COVID-19. PROJECT COST: N/A		

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
Amy Yamawaka	Graphic Designer	35	27

15. FIRM NAME AND LOCATION (City and State)

 **Bowers + Kubota Consulting, Waipahu, HI**

16. EDUCATION (Degree and Specialization)

Bachelor of Science, Fine Arts Design

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

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

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	State of Hawaii, Department of Land and Natural Resources Kealahou Bay Master Plan & Environmental Impact Statement South Kona, HI	2023	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM ROLE: Graphic Designer SCOPE: Provided graphic design services for the preparation of a Master Plan, EIS, and Management Plan for Kealahou Bay State Historical Park. CONTRACT VALUE: \$529,500		
b.	County of Maui, Metropolitan Planning Organization Maui MPO Public Participation Plan Update Maui County, HI	2023	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM ROLE: Graphic Designer SCOPE: Provided graphic design services for the Maui MPO Public Participation Plan (PPP) update in compliance with federal regulations regarding interested parties, participation and consultation in the metropolitan transportation planning process. CONTRACT VALUE: \$99,650		
c.	City and County of Honolulu, Department of Design and Construction (Sub-consultant to Biederman Redevelopment Ventures) Ala Moana Park Master Plan & EIS Honolulu, HI	2019	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM ROLE: Graphic Designer SCOPE: Provided graphic design services for the Environmental Impact Statement completed for Biederman Redevelopment Ventures. CONTRACT VALUE: \$366,800		
d.	State of Hawaii, Department of Transportation, Highways Vulnerable Roadway Users Safety Assessment Statewide, HI	2023	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM ROLE: Graphic Designer SCOPE: Worked with the HDOT to develop the State's first Vulnerable Road User Safety Assessment (VRUSA). A VRUSA is an assessment of the safety performance of a State with respect to vulnerable road users and the plan for the State to improve the safety of vulnerable road users. Addressed the safety of vulnerable road users through a collaborative and comprehensive approach allows people that walk, bike, and roll full and safe access to our transportation system. CONTRACT VALUE: \$575,600		
e.	Hawaii Community Foundation, Affordable and Workforce Housing Regional Plans Island of Maui, HI	2023	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM ROLE: Graphic Designer SCOPE: Providing graphic design services for various plans that highlights the need for affordable housing and highlighted housing projects and infrastructure that would support those projects as part of the House Maui Initiative. CONTRACT VALUE: \$52,400		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Jay Stone, PE, BCEE, CFM, CPSWQ, ESCPC, CPESC, CWPPP, CESCOP, LEED AP	13. ROLE IN THIS CONTRACT Principal Civil Engineer	14. YEARS EXPERIENCE A. TOTAL 31	B. WITH CURRENT FIRM 13
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15. FIRM NAME AND LOCATION (City and State)

BK Bowers + Kubota Consulting, Waipahu, HI

16. EDUCATION (Degree and Specialization) Bachelor of Science, Civil Engineering Bachelor of Arts, English	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) HI, Professional Engineer/Civil [# 9548 (exp. 4/30/2026)]
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Board Certified Environmental Engineer, Water Supply & Wastewater Certified Professional in Storm Water Quality Control Certified Erosion & Sediment Control Plan Preparer Certified Professional in Erosion & Sediment Control Certified Floodplain Manager Hawaii Council of Engineering Societies, Past Chair	LEED Accredited Professional International Society of Automation Water Environment Federation Certified Water Pollution Plan Preparer Hawaii Water Environment Association American Water Works Association	Association of Floodplain Managers American Society of Civil Engineers International Society of Automation American Academy of Environmental Engineers & Scientists Erosion & Sediment Control Plan Coordinator
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19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
County of Kauai, Department of Public Works PA RH-03 Engineering Design and Support Services for Fiscal Year 2023 Islandwide Road Rehabilitation	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) N/A
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Principal in Charge SCOPE: Providing design, permitting, and contract administration services during construction for the rehabilitation of 62 County of Kauai roadways totaling approximately 31 miles at various locations within East, West, and North Districts of Kauai. PROJECT COST: \$19,000,000	☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
(1) TITLE AND LOCATION (City and State) City and County of Honolulu, Department of Transportation Services Complete Streets Planning and Preliminary Design Kaneohe, Kailua, and Pearl City, HI	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2021	CONSTRUCTION (if applicable) N/A
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Principal Civil Engineer SCOPE: Assessed implementation of complete streets concept designs in Kaneohe, Kailua, and Pearl City area as part of planned road rehabilitation projects in each area. Initial tasks included evaluation of existing conditions through driving, walking and bicycling audits of each community; identifying the complete streets network based on land use and roadway configuration; and developing preliminary street cross-sections showing options for pedestrian walkways, bicycle lanes, shared pathways, and vehicular travel lanes. PROJECT COST: \$4,000,000	☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
(1) TITLE AND LOCATION (City and State) NAVFAC Hawaii FY21 Special Project RM 17-1635 Red Hill Repair Roads and Erosion Control Honolulu, HI	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2021	CONSTRUCTION (if applicable) N/A
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Principal in Charge SCOPE: Provided engineering services for the repair of eroded areas, implementation of erosion control and rockfall mitigation measures, storm drainage improvements, and roadway improvements at Joint Base Pearl Harbor-Hickam (JBPHH), Red Hill. PROJECT COST: \$34,985,000	☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
(1) TITLE AND LOCATION (City and State) County of Hawaii, Department of Public Works Engineering Services Waikoloa Road / Paniolo Avenue Roundabout Waikoloa, HI	(2) YEAR COMPLETED PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) N/A
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Principal in Charge SCOPE: Providing civil engineering, planning, and permitting for a two-lane roundabout at the intersection of Waikoloa Road, R Avenue, and Pua Melia Street. The construction drawings are required to meet the Hawaii State Department of Transportation standards. PROJECT COST: \$2,800,000	☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
(1) TITLE AND LOCATION (City and State) State Department of Transportation, Highways Miscellaneous Best Management Practices for State Department of Transportation, Highways Kaneohe, HI	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2023	CONSTRUCTION (if applicable) Phase 2A - 2018 Phase 2B - 2021
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Senior Project Manager SCOPE: Evaluated low-impact development and structural best management practices (BMPs). Performed civil and environmental engineering, landscape architecture, and permitting services for the design of new permanent storm water BMPs in Kaneohe, at three separate locations. Providing construction services. PROJECT COST: \$3,200,000	☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Michael Nishimura, PE, ESCPC, CWPPP, CESCOP, LEED AP	13. ROLE IN THIS CONTRACT Senior Project Manager	14. YEARS EXPERIENCE	
		A. TOTAL 26	B. WITH CURRENT FIRM 4
15. FIRM NAME AND LOCATION (City and State) BK Bowers + Kubota Consulting, Waipahu, HI			
16. EDUCATION (Degree and Specialization) Bachelor of Science, Civil and Environmental Engineering Bachelor of Arts, Physics		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) HI, Professional Engineer/Civil [#10772 (exp. 4/30/2026)] CA, Professional Engineer/Civil [#82626 (exp. 9/30/2025)] GU, Professional Engineer/Civil [#1757 (exp. 4/30/2025)] CNMI, Professional Engineer/Civil [#507 (exp. 8/31/2026)]	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Certified Water Pollution Plan Preparer Certified Erosion & Sediment Control Plan Preparer Society of American Military Engineers (SAME) Erosion and Sediment Control Plan Coordinator LEED Accredited Professional			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE
	County of Kauai, Department of Public Works PA RH-03 Engineering Design and Support Services for Fiscal Year 2023 Islandwide Road Rehabilitation	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) N/A
a.	☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM ROLE: Senior Project Manager SCOPE: Providing design, permitting, and contract administration services during construction for the rehabilitation of 62 County of Kauai roadways totaling approximately 31 miles at various locations within East, West, and North Districts of Kauai. Pavement rehabilitation will involve three types of work: mill and fill (coldplanning and resurfacing) of the existing asphalt concrete (AC) pavement top surface and wear course; mill, base course recompaction, and AC repavement; and, full-depth pavement reconstruction. PROJECT COST: \$19,000,000.		
	State of Hawaii, Department of Transportation, Highways Route 50 (Kaunualii Highway) Feasibility Study, Hanapepe to Kekaha Kauai, HI	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) N/A
b.	☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM ROLE: Senior Civil Engineer SCOPE: Conduct a Feasibility Study to explore conceptual details, constraints, and prospective timelines for different resiliency improvement alternatives based on probable future scenarios of concern for Route 50, Kaunualii Highway, from Hanapepe to Kekaha. PROJECT COST: \$8,600,000		
	City and County of Honolulu, Department of Facility Management NPDES MS4 Retrofit Structural BMP Improvements Program Honolulu, HI	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) Pending
c.	☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM ROLE: Senior Civil Engineer SCOPE: Design of four different types of permeable pavement within the bike lane on South Street between Pohukaina Street and Kapiolani Boulevard. Pavement types will include a porous asphalt, pervious concrete, and two types of permeable pavers. A sign will also be installed to provide information about the pavement types installed and how they are part of a low impact development design. PROJECT COST: \$2,000,000		
	NAVFAC Hawaii FY21 Special Project RM 17-1635 Red Hill Repair Roads and Erosion Control Pearl Harbor, HI	PROFESSIONAL SERVICES 2021	CONSTRUCTION (if applicable) N/A
d.	☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM ROLE: Senior Civil Engineer SCOPE: Provided engineering services for the repair of eroded areas, implementation of erosion control and rockfall mitigation measures, storm drainage improvements, and roadway improvements. Conducted site engineering investigations and prepared 35%, 60%, pre-final and final design-bid-build contract documents. Final design-bid-build contract documents was also submitted. PROJECT COST: \$34,985,000		
	State of Hawaii, Department of Transportation, Harbors Division (The Wilhelm Group-Prime Consultant) DOT - Facility Planning and Land Acquisition Hilo and Kahului, HI	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) N/A
e.	☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM ROLE: Senior Civil Engineer SCOPE: Assisting with the acquisition of privately held lands surrounding Hilo and Kahului Harbors and production of a Harbors Facilities Plan that will summarize the potential options that DOT-H may have in utilizing the acquired lands, assisting with the infrastructure due diligence, and preparing an Environmental Assessment for the harbors. PROJECT COST: N/A		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Lindsay Nakashima, PE, CWPPP, CESCPP, MBA	13. ROLE IN THIS CONTRACT Senior Project Manager	14. YEARS EXPERIENCE	
		A. TOTAL 22	B. WITH CURRENT FIRM 22

15. FIRM NAME AND LOCATION (City and State)

BK Bowers + Kubota Consulting, Waipahu, HI

16. EDUCATION (Degree and Specialization)

Bachelor of Science / Civil Engineering
Master of Business Administration

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

HI, Professional Engineer/Civil [#12569 (exp. 4/30/2026)]

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

Certified Water Pollution Plan Preparer
American Society of Civil Engineers (ASCE)

Hawaii Council of Engineering Societies, Current Chair
Certified Erosion & Sediment Control Plan Preparer

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
State of Hawaii, Department of Transportation, Highways Division Transportation Corridor Assessment Route 11 Queen Kaahumanu, Kuakini Highway, Ewa, HI	PROFESSIONAL SERVICES 2023	CONSTRUCTION (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE a. ROLE: Senior Civil Engineer SCOPE: Congestion on Route 11 between Henry Street and Kamehameha III Road continues to grow and worsen over time. B+K is leading a corridor assessment to find plausible solutions and options that will reduce congestion and enhance safety in the area. As an early feasibility study, some of the criteria being evaluated and reviewed are the congestion duration, multimodal improvements, mobility, safety, right-of-way impacts, historic, cultural, and natural resource impacts, climate change adaptation, and cost. CONTRACT VALUE: \$301,000	☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
(1) TITLE AND LOCATION (City and State) County of Hawaii, Department of Public Works Engineering Services Waikoloa Road / Paniolo Avenue Roundabout Waikoloa, HI	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE b. ROLE: Senior Civil Engineer SCOPE: Providing civil engineering, planning, and permitting for a two-lane roundabout at the intersection of Waikoloa Road, R Avenue, and Pua Melia Street. The construction drawings are required to meet the Hawaii State Department of Transportation standards. PROJECT COST: \$2,800,000	☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
(1) TITLE AND LOCATION (City and State) State of Hawaii, Department of Transportation, Highways Kaunualii Highway Feasibility Study Hanapepe to Kekaha, HI	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE c. ROLE: Senior Civil Engineer SCOPE: B+K is conducting a Feasibility Study to explore conceptual details, constraints, and prospective timelines for different resiliency improvement alternatives based on probable future scenarios of concern for Kaunualii Highway, from Hanapepe to Kekaha. ArcGIS was used to map natural and climate hazards, land uses, soils, historic and cultural sites, and socioeconomic data to identify opportunities and constraints in developing alternatives to improve the resiliency of Kaunualii Highway. PROJECT COST: \$1,800,000	☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
(1) TITLE AND LOCATION (City and State) City and County of Honolulu, Department of Transportation Services Complete Streets Planning and Preliminary Design Kaneohe, Kailua, and Pearl City, HI	PROFESSIONAL SERVICES 2021	CONSTRUCTION (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE d. ROLE: Senior Project Manager SCOPE: Assessed implementation of complete streets concept designs in Kaneohe, Kailua, and Pearl City area as part of planned road rehabilitation projects in each area. Initial tasks included evaluation of existing conditions through driving, walking and bicycling audits of each community; identifying the complete streets network based on land use and roadway configuration; and developing preliminary street cross-sections showing options for pedestrian walkways, bicycle lanes, shared pathways, and vehicular travel lanes. PROJECT COST: \$4,000,000	☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
(1) TITLE AND LOCATION (City and State) County of Maui, Department of Public Works Waiale Road Extension Project Waikapu, Maui, Hawaii	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE e. ROLE: Senior Civil Engineer SCOPE: Providing the County of Maui cradle to grave services, from planning through construction, on the Waiale Road Extension project. The roadway improvements will include a single span bridge over Waikapu Stream, roundabout intersections, two through lanes, shoulder bikeways, pedestrian sidewalks, a shared-use path, and two parallel grassy swales, which will serve as a permanent stormwater best management practice (BMP). The project team conducted agency and public coordination, both to seek input and provide information relating to the environmental and design related tasks. The construction bid documents will include construction plans, specifications, engineer's estimate, and permits PROJECT COST: \$72,000,000 (estimated)	☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	

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
Cary Kondo, PE, CWPPP, CESCOP	Senior Project Manager	47	46

15. FIRM NAME AND LOCATION (City and State)

BK Bowers + Kubota Consulting, Waipahu, HI

16. EDUCATION (Degree and Specialization)

Master of Science, Environmental Engineering
Bachelor of Science, Civil Engineering

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

HI, Professional Engineer/Civil [# 4575 (exp. 4/30/2026)]

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

Certified Water Pollution Plan Preparer
Hawaii Water Environment Association
USS Arizona Memorial Pearl Harbor Visitor Center, Oahu, Hawaii: LEED Gold Certification, U.S. Green Building Council / 2012 Honor Award, Engineering Excellence Awards, American Council of Engineering Companies of Hawaii

Water Environment Federation
Certified Erosion & Sediment Control Plan Preparer

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	County of Hawaii, Department of Public Works Kaumana Drive Flood Protection, Wailuku-Alenaio Watershed Hilo, HI	2017	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Senior Project Manager SCOPE: Reviewed potential flood conditions in a portion of the Wailuku-Alenaio Watershed adjacent to Kaumana Drive and prepared a preliminary engineering report and an environmental assessment. The preliminary engineering report reviewed long-term flood reduction measures for the residences on the northern side of Kaumana Drive between Chong's Road and an area above Wilder Road. As part of the project scope, a Letter of Map Revision was prepared to establish base flood elevations within the existing flood zones and a scour analysis was performed to assess conditions at Chong's Bridge. PROJECT COST: \$4,000,000		
b.	County of Hawaii, Department of Public Works Ane Keohokalole Highway Kailua-Kona, HI	2012	2012
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Senior Project Manager SCOPE: Designed various improvements for about 2.9 miles of the County highway from Palani Road to Hina Lani Street paralleling Queen Kaahumanu Highway, including support of entitlement and permitting effort, design of roadway, utility, and drainage systems, and coordination of archaeological mitigation efforts including the Keahuolu Interpretive Center. PROJECT COST: \$35,000,000		
c.	State of Hawaii, Department of Transportation, Highways Division General Hydraulic Engineering Services, Statewide	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Senior Project Manager SCOPE: Evaluated scour conditions at 96 bridges on Oahu, including 44 City bridges. Conducting bridge inspections and preparing scour evaluation reports and plan of action reports. Hydraulic analysis with HEC-RAS. Recommending solutions to ameliorate scour. Addressing permits (USACE Section 404 and 10, Section 401WQC, SHPD, Section 7 ESA, and Essential Fish Habitat) for in-water geotechnical borings. PROJECT COST: N/A		
d.	NAVFAC Hawaii FY21 Special Project RM 17-1635 Red Hill Repair Roads and Erosion Control Honolulu, HI	2021	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Senior Civil Engineer SCOPE: Provided engineering services for the repair of eroded areas, implementation of erosion control and rockfall mitigation measures, storm drainage improvements, and roadway improvements at Joint Base Pearl Harbor-Hickam (JBPHH), Red Hill. PROJECT COST: \$34,985,000		
e.	County of Hawaii, Department of Public Works Engineering Services Waikoloa Road / Paniolo Avenue Roundabout Waikoloa, HI	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Senior Project Manager SCOPE: Providing civil engineering, planning, and permitting for a two-lane roundabout at the intersection of Waikoloa Road, Paniolo Avenue, and Pua Melia Street. The construction drawings are required to meet the Hawaii State Department of Transportation standards. PROJECT COST: \$2,800,000		

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
David Bills, PE, CWPPP	Senior Project Manager	48	20

15. FIRM NAME AND LOCATION (City and State)

BK Bowers + Kubota Consulting, Waipahu, HI

16. EDUCATION (DEGREE AND SPECIALIZATION)

Bachelor of Science / Civil Engineering
Master of Science / Specialty in Sanitation

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)

Professional Engineer/Civil - HI [#4516 (exp.4/30/2026)]
Professional Engineer/Civil - GU [#1251 (exp.4/30/2025)]

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

Certified Water Pollution Plan Preparer
American Council of Engineering Companies - Hawaii
Hawaii Water Environment Association

American Water Works Association - Hawaii
American Society of Civil Engineers - Hawaii

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
Newtown-Royal Summit Access Road and Booth Road 740 Reservoir Access Road Repair and Drainage Improvements Aiea & Pauoa, Oahu, Hawaii		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) 2017 (Royal Summit Access Road)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
a. ROLE: Senior Project Manager SCOPE: Responsible for environmental permitting and civil design services for the repair of Board of Water Supply access roads to reservoirs in Royal Summit and Pauoa. The access road to the 740 Reservoir in Pauoa was eroded due to uncontrolled surface runoff. Repairs include widening of the gravel road and construction of swales and drainage structures. The Booth Road project is held in abeyance pending approval of subdivision documents. The access road along the BWS water line in Royal Summit was undermined and collapsed. Construction was complete for the Royal Summit realigned roadway and new drainage system in 2017. Involved in the design and preparation of construction plans, technical specifications, cost estimates and permits. Specific duties include conducting a hydrology and hydraulic analyses of the areas, provide recommendation for repairs and improvements to the access roads, design drainage improvements, and preparation of CDUA application. Construction Cost: \$204,190 (Royal Summit)			
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
City and County of Honolulu, Department of Design and Construction Anapalau Street Channel Erosion Control Improvements, Anapalau Street, Hawaii Kai, Honolulu, Hawaii		PROFESSIONAL SERVICES 2021	CONSTRUCTION (if applicable) 2022
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		☐ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
b. ROLE: Senior Project Manager SCOPE: Responsible for performing all engineering services in connection with the design and preparation of construction plans, technical specifications, and cost estimates for the Project. The project improvements needed were to repair the eroded slope areas, repair the damaged fencing, and protect the slope from future erosion. Exposed footings of walls that were built within adjacent properties were identified and recommendations were installed to address the erosion and future damage to fencing and walls. Construction Cost: \$1,900,000			
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
City and County of Honolulu, Department of Facility Maintenance Waikiki Drain Outfall Improvements – Poni Moi Outfall Honolulu, Hawaii		PROFESSIONAL SERVICES 2019	CONSTRUCTION (if applicable) 2020
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		☐ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
c. ROLE: Senior Project Manager SCOPE: Responsible for conducting engineering studies and civil design services for the Waikiki Drain Outfall Improvements project. Design and construction documents (plans, specification and cost estimate) were completed for the installation of a Tideflex check valve at Poni Moi outfall to prevent ocean debris from clogging the drain line. Environmental permits/clearances were obtained, including DA permit, 401 WQC, SHPD, Flood Hazard Districts certification, EA/EIS Compliance. Construction Cost: \$162,500			
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
D.R. Horton – Schuler Division Mehana at Kapolei – Phases 1- 5 Subdivision and Roadways Kapolei, HI		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	
d. ROLE: Senior Project Manager SCOPE: Responsible providing planning, design and subdivision engineering services in support of the conceptual master plan and design guidelines for the 135-acre Mehana at Kapolei mixed-use residential community. The Mehana at Kapolei project included subdivision mapping, mass grading and roadway design. Subdivision efforts included the preparation and processing of the preliminary and final subdivision applications. Responsible for all civil design services for the overall Mehana at Kapolei project of 15,000 linear feet of roadways that include, water (8-inch and 12-inch), sewer, drainage, underground electric television and cable, varying pavement widths and, curb, gutter and sidewalk, landscaping and street lighting. Services to include preparation of construction documents (plans, specifications & cost estimates); and services during bidding and construction, which include attendance at preconstruction meetings, response to RFIs, review of contractor submittals; and construction observation. Construction Cost: \$80,000,000			

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Nicolo "Nick" Orense, PE, CWPPP, CESCPP, LEED AP	13. ROLE IN THIS CONTRACT Senior Project Manager	14. YEARS EXPERIENCE	
		A. TOTAL 40	B. WITH CURRENT FIRM 5

15. FIRM NAME AND LOCATION (City and State)

BK Bowers + Kubota Consulting, Waipahu, HI

16. EDUCATION (Degree and Specialization)

Bachelor of Science, Civil Engineering

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

HI, Professional Engineer/Civil [#11774 (exp. 4/30/2026)]
CA, Professional Engineer/Civil [#66063 (exp. 6/30/2026)]

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

LEED Accredited Professional
Certified Water Pollution Plan Preparer

USACE SQM for Contractors Certification
Certified Erosion & Sediment Control Plan Preparer

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
County of Kauai, Department of Public Works PA RH-03 Engineering Design and Support Services for Fiscal Year 2023 Islandwide Road Rehabilitation	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) N/A
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Senior Civil Engineer SCOPE: Providing design, permitting, and contract administration services during construction for the rehabilitation of 62 County of Kauai roadways totaling approximately 31 miles at various locations within East, West, and North Districts of Kauai. Pavement rehabilitation will involve three types of work: mill and fill (cold planning and resurfacing) of the existing asphalt concrete (AC) pavement top surface and wear course; mill, base course recompaction, and AC repavement; and, full-depth pavement reconstruction. PROJECT COST: \$19,000,000	☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Senior Civil Engineer SCOPE: Civil and site electrical engineering design services for a 210-unit (ph.1) 132-unit (ph. 2) multifamily development consisting of 3-story residential buildings. Includes clubhouse, fitness center and swimming pool. PROJECT COST: \$90,000,000 (ph. 1) / \$35,000,000 (ph. 2)	☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Project Manager SCOPE: Services included renovation of the existing utility infrastructure for the new buildings, new asphalt concrete parking lot upgrade, and new delivery asphalt concrete access road to the existing Maunawili Dormitory facility. Work also included peer review of the design for local code compliance and exterior building envelope design and documentation. PROJECT COST: \$51,000,000	☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Senior Civil Engineer SCOPE: Planning, architecture and engineering services for the renovation of the existing DOFAW Baseyard next to Kahului Airport. The project is on 3.1 acres and includes Administrative Offices, Warehouse Buildings, Automotive Services facilities, Gas fueling facility, Heavy Equipment Covered Parking, a plant nursery, and animal care facilities. PROJECT COST: \$30,000,000 (estimated)	☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Senior Civil Engineer SCOPE: A/E design engineering services for the renovation of an existing 8-story non-historic building (barracks). Work includes new fire line to the mechanical room for fire sprinkler system, new parking stalls to include loading and direct access to mechanical room, replace water and sewer lines, and modify chain link fence mechanical enclosure. PROJECT COST: \$33,800,000 (estimated)	☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Jeremy Michelson, PE, PMP, CPESC, CWPPP, CESCPP	13. ROLE IN THIS CONTRACT Senior Project Manager	14. YEARS EXPERIENCE	
		A. TOTAL 28	B. WITH CURRENT FIRM 4

15. FIRM NAME AND LOCATION (City and State)

 Bowers + Kubota Consulting, Waipahu, HI

16. EDUCATION (Degree and Specialization)

Bachelor of Science, Civil Engineering

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

HI, Professional Engineer/Civil [#11120 (exp. 4/30/2026)]

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

Certified Water Pollution Plan Preparer

Certified Professional in Erosion and Sediment Control

Certified Erosion and Sediment Control Plan Preparer

Project Management Professional

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
State of Hawaii Department of Transportation, Highways Division General Hydraulic Engineering Services Statewide	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) N/A
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Senior Civil Engineer SCOPE: Evaluated scour conditions at 96 bridges on Oahu, including 44 City bridges. Conducting bridge inspections and preparing scour evaluation reports and plan of action reports. Hydraulic analysis with HEC-RAS. Recommending solutions to ameliorate scour. Addressing permits (USACE Section 404 and 10, Section 401WQC, SHPD, Section 7 ESA, and Essential Fish Habitat) for in-water geotechnical borings. PROJECT COST: N/A	☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
b. (1) TITLE AND LOCATION (City and State) City and County of Honolulu, Department of Facility Maintenance NPDES MS4 Retrofit Structural BMP Improvements Honolulu, HI	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) Pending
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Senior Civil Engineer SCOPE: Design of four different types of permeable pavement within the bike lane on South Street between Pohukaina Street and Kapiolani Boulevard. Pavement types will include a porous asphalt, pervious concrete, and two types of permeable pavers. A sign will also be installed to provide information about the pavement types installed and how they are part of a low impact development design. PROJECT COST: \$2,000,000	☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
c. (1) TITLE AND LOCATION (City and State) State of Hawaii Department of Public Safety Deferred Maintenance WO#2 - WCCC Property Fence and Erosion & Drainage Repair Honolulu, HI	PROFESSIONAL SERVICES 2022	CONSTRUCTION (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Senior Project Manager SCOPE: Provided assistance to overall Repair and Maintenance program management including organizational administrative needs, preparing program documentation, tracking overall progress, compliance with regulations, and with the overall quality assurance of the program. CONTRACT VALUE: \$3,500	☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
d. (1) TITLE AND LOCATION (City and State) State of Hawaii, Department of Education (Benjamin Woo Architects-Prime Consultant) Linapuni Elementary Covered Walkway and Parking Lot Improvements Honolulu, HI	PROFESSIONAL SERVICES 2024	CONSTRUCTION (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Senior Project Manager SCOPE: Provided assistance to overall Repair and Maintenance program management including organizational administrative needs, preparing program documentation, tracking overall progress, compliance with regulations, and with the overall quality assurance of the program. PROJECT COST: \$167,022 (Civil Estimate Only)	☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
e. (1) TITLE AND LOCATION (City and State) County of Hawaii, Department of Public Works Engineering Services for the Waikoloa Road/Paniolo Avenue Roundabout Waikoloa, HI	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Senior Civil Engineer SCOPE: Providing civil engineering, planning, and permitting for a two-lane roundabout at the intersection of Waikoloa Road, Paniolo Avenue, and Pua Melia Street. The construction drawings are required to meet the Hawaii State Department of Transportation standards. PROJECT COST: \$2,800,000	☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	

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	
Trina Onuma, PE, CWPPP, CESCOP, LEED AP, MBA	Senior Project Manager	A. TOTAL 41	B. WITH CURRENT FIRM 38

15. FIRM NAME AND LOCATION (City and State)

B Bowers + Kubota Consulting, Waipahu, HI

16. EDUCATION (Degree and Specialization)

Masters in Business Administration
Bachelor of Science, Civil Engineering/Engineering Public Policy

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

HI, Professional Engineer/Civil [#6709 (exp.4/30/2026)]

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

American Society of Civil Engineers
Certified Erosion & Sediment Control Plan Preparer

Certified Water Pollution Plan Preparer
LEED Accredited Professional

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	Gentry Homes, Ltd. Geiger Road Improvements, Ewa by Gentry Ewa, HI	2017	2018
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM ROLE: Senior Project Manager SCOPE: Design of roadway improvements for existing Geiger Road from Kapolei Parkway to Kalaeloa including drainage infrastructure, sewer and water service, electrical and communication systems, sheet lighting, added travel and turning lanes, curb and gutters, landscaped medians, 4-foot concrete sidewalk, and a 10-foot wide jog/bike path. PROJECT COST: \$2,600,000		
b.	County of Hawaii, Department of Public Works Ane Keohokalole Highway Kailua-Kona, HI	2012	2012
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM ROLE: Senior Civil Engineer SCOPE: Completed construction documents for the County highway paralleling Queen Kaahumanu Highway for about 2.9 miles from Palani Road to Hina Lani Street. Also completed an Environmental Assessment; processed U.S. DOT Act of 1966 Section 4(f) review; conducted the NHPA Section 106 consultation and prepared the preliminary engineering report. PROJECT COST: \$35,000,000		
c.	City and County of Honolulu, Department of Facility Maintenance NPDES MS4 Retrofit Structural BMP Improvements Honolulu, HI	Ongoing	Pending
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM ROLE: Senior Civil Engineer SCOPE: Design of four different types of permeable pavement within the bike lane on South Street between Pohukaina Street and Kapiolani Boulevard. Pavement types will include a porous asphalt, pervious concrete, and two types of permeable pavers. A sign will also be installed to provide information about the pavement types installed and how they are part of a low impact development design. PROJECT COST: \$2,000,000		
d.	NAVFAC Hawaii MCBH Kaneohe Water & Drainage Systems Repairs Kaneohe, HI	2021	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM ROLE: Senior Project Manager SCOPE: Completed site investigations and prepared construction documents, including plans, specifications and detailed opinion of cost for water and storm drain improvements. Scope included replacement of the water distribution lines in the vicinity of "D" Street between 1st Street and Mokapu Road; and upsizing existing storm drain pipes and installing new storm drain systems to storm drainage system D2 along C & D Streets and to storm drainage system F and H in the vicinity of D Street. PROJECT COST: \$4,500,000		
e.	Kamehameha Schools Kakaako Demonstration Project Auahi, Coral And Keawe Street & Ala Moana Boulevard Honolulu, HI	2018	City ROW 2016 State ROW 2018
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM ROLE: Senior Civil Engineer SCOPE: Provided civil engineering and landscape architecture design for a streetscape improvements pilot project within the City and County of Honolulu (City) right-of-way in the Kamehameha Schools Kakaako Mauka area, referred to as SALT at Our Kakaako. The project was in follow-up to the Kamehameha Schools Kakaako Streetscape Master Plan, that was also supported by B+K. The demonstration project focused on applying the streetscape concepts developed to the site conditions along Ala Moana Boulevard, and Keawe, Auahi and Coral Streets. PROJECT COST: \$1,000,000		

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
Eric Tamashiro PE, CWPPP, ESCPC, CESCPC, LEED AP	Senior Project Manager	30	21

15. FIRM NAME AND LOCATION (City and State)

BK Bowers + Kubota Consulting, Waipahu, HI

16. EDUCATION (Degree and Specialization)

Bachelor of Science, Civil Engineering

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

HI, Professional Engineer/Civil [#9787 (exp. 4/30/2026)]

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

LEED Accredited Professional
American Society of Civil Engineers
Certified Erosion & Sediment Control Plan Preparer
Hawaii Water Environment Association

Certified Water Pollution Plan Preparer
Erosion and Sediment Control Plan Coordinator
Water Environment Federation

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	Walton Street Capital LLC/Avalon Development Company LLC Kapolei Business Park Phase 2 Kapolei, HI	2017	2017
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Project Manager/Civil Engineer SCOPE: Lead designer for subdivision improvements, including storm drainage system with water quality treatment units, roadways, water system improvements, and grading. Coordinated plan approval and National Pollutant Discharge Elimination System (NPDES) permit coverage processing. PROJECT COST: \$22,000,000		
b.	NAVFAC Hawaii FY21 Special Project RM 17-1635 Red Hill Repair Roads and Erosion Control Honolulu, HI	2021	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Senior Project Manager SCOPE: Provided engineering services for the repair of eroded areas, implementation of erosion control and rockfall mitigation measures, storm drainage improvements, and roadway improvements at Joint Base Pearl Harbor-Hickam (JBPHH), Red Hill. PROJECT COST: \$34,985,000		
c.	American Savings Bank American Savings Bank Campus Honolulu HI	2019	2019
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Senior Project Manager SCOPE: Conducted site assessments, supported traffic and archaeological assessments and coordinated the site design for a 9-story, 120,000 gross square feet office building at the corner of Beretania and Aala Streets. Work within the right-of-way included driveway construction, sidewalk reconstruction and utility structure and connections. PROJECT COST: \$93,000,000		
d.	County of Hawaii, Department of Public Works Ane Keohokalole Highway Kailua-Kona, HI	2012	2012
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Senior Civil Engineer SCOPE: Completed construction documents for the County highway paralleling Queen Kaahumanu Highway for about 2.9 miles from Palani Road to Hina Lani Street. Also completed an Environmental Assessment; processed U.S. DOT Act of 1966 Section 4(f) review; conducted the NHPA Section 106 consultation and prepared the preliminary engineering report. PROJECT COST: \$35,000,000		
e.	Kahala Pacifica Association of Apartment Owners Hoakoa Place Repaving Honolulu, HI	2016	2016
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Project Manager SCOPE: Provided construction plans and specifications for the repaving of the asphalt concrete portions of Hoakoa Place within the Kahala Pacifica property. PROJECT COST: \$107,000		

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
Kristen Yoshida, P.E., CPESC, CPSWQ, CWPPP, CESCPC	Project Manager	12	11

15. FIRM NAME AND LOCATION (City and State)

BK Bowers + Kubota Consulting, Waipahu, HI

16. EDUCATION (Degree and Specialization)

Master of Science, Civil and Environmental Engineering
Bachelor of Science, Civil and Environmental Engineering

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

HI, Professional Engineer/Civil [#15808 (exp. 4/30/2026)]

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

American Society of Civil Engineers
Certified Professional in Storm Water Quality
Society of Women Engineers (SWE) – Hawaiian Island Section
Hawaii Council of Engineering Societies, Past Chair
Award: SWE WE Local New ELiTE (Emerging Leader in Technology & Engineering) Award
Certified Professional in Erosion and Sediment Control
Certified Water Pollution Plan Preparer
Certified Erosion & Sediment Control Plan Preparer

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	State of Hawaii, Department of Transportation, Highways Route 50 (Kaumualii Highway) Feasibility Study, Hanapepe to Kekaha Kekaha, Kauai	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Senior Civil Engineer SCOPE: Conducting a Feasibility Study to explore conceptual details, constraints, and prospective timelines for different resiliency improvement alternatives based on probable future scenarios of concern for Route 50, Kaumualii Highway, from Hanapepe to Kekaha. The objectives of the Feasibility Study are to explore resiliency realities, criticalities, and challenges for the Route 50 study area. The scope of work will include coastal modeling of tidal flood frequency analysis and high-resolution sea level rise and wave inundation modeling. The modeling will be conducted for a variety of future sea level rise scenarios combined with different wave events to help estimate the frequency of occurrence of flooding at selected intervals in the future. CONTRACT VALUE: \$675,000		
b.	State of Hawaii, Department of Transportation, Highways Transportation Corridor Assessment Route 11 Queen Kaahumanu/ Kuakini Highway	2023	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Senior Civil Engineer SCOPE: Congestion on Route 11 between Henry Street and Kamehameha III Road continues to grow and worsen over time. B+K is leading a corridor assessment to find plausible solutions and options that will reduce congestion and enhance safety in the area. As an early feasibility study, some of the criteria being evaluated and reviewed are the congestion duration, multimodal improvements, mobility, safety, right-of-way impacts, historic, cultural, and natural resource impacts, climate change adaptation, and cost. CONTRACT VALUE: \$301,000		
c.	City and County of Honolulu Department of Facility Maintenance NPDES MS4 Retrofit Structural BMP Improvements Program Honolulu, HI	Ongoing	Pending
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Senior Civil Engineer SCOPE: Design of four different types of permeable pavement within the bike lane on South Street between Pohukaina Street and Kapiolani Boulevard. Pavement types will include a porous asphalt, pervious concrete, and two types of permeable pavers. A sign will also be installed to provide information about the pavement types installed and how they are part of a low impact development design. PROJECT COST: \$2,000,000		
d.	County of Hawaii, Department of Public Works Engineering Services Waikoloa Road / Paniolo Avenue Roundabout Waikoloa, HI	Ongoing	Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Senior Civil Engineer SCOPE: Providing civil engineering, planning, and permitting for a two-lane roundabout at the intersection of Waikoloa Road, Paniolo Avenue, and Pua Melia Street. The construction drawings are required to meet the Hawaii State Department of Transportation standards. PROJECT COST: \$2,800,000		
e.	State of Hawaii, Department of Transportation, Highways Division General Hydraulic Engineering Services, Statewide	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Senior Civil Engineer SCOPE: Evaluated scour conditions at 96 bridges on Oahu, including 44 City bridges. Conducting bridge inspections and preparing scour evaluation reports and plan of action reports. Hydraulic analysis with HEC-RAS. Recommending solutions to ameliorate scour. Addressing permits (USACE Section 404 and 10, Section 401WQC, SHPD, Section 7 ESA, and Essential Fish Habitat) for in-water geotechnical borings PROJECT COST: N/A		

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
Karen Bates, PE, CWPPP, CESCOP	Project Manager / Senior Civil Engineer	29	18

15. FIRM NAME AND LOCATION (City and State)

 Bowers + Kubota Consulting, Waipahu, HI

16. EDUCATION (DEGREE AND SPECIALIZATION)

Bachelor of Science / Civil Engineering

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)

HI, Professional Engineer/Civil [#11652 (exp. 4/30/2026)]

VA, Professional Engineer/Civil [#0402035110 (exp. 5/31/2025)]

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

Certified Water Pollution Plan Preparer

Certified Erosion & Sediment Control Plan Preparer

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	Newtown-Royal Summit Access Road and Booth Road 740 Reservoir Access Road Repair and Drainage Improvements Aiea & Pauoa, Oahu, Hawaii	Ongoing	2017 (Royal Summit Access Road)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Senior Civil Engineer SCOPE: Responsible for environmental permitting and civil design services for the repair of Board of Water Supply access roads to reservoirs in Royal Summit and Pauoa. The access road to the 740 Reservoir in Pauoa was eroded due to uncontrolled surface runoff. Repairs include widening of the gravel road and construction of swales and drainage structures. The Booth Road project is held in abeyance pending approval of subdivision documents. The access road along the BWS water line in Royal Summit was undermined and collapsed. Construction was complete for the Royal Summit realigned roadway and new drainage system in 2017. Involved in the design and preparation of construction plans, technical specifications, cost estimates and permits. Specific duties include conducting a hydrology and hydraulic analyses of the areas, provide recommendation for repairs and improvements to the access roads, design drainage improvements, and preparation of CDUA application. CONSTRUCTION COST: \$204,190 (Royal Summit)		
b.	City and County of Honolulu, Department of Design and Construction Anapalau Street Channel Erosion Control Improvements, Anapalau Street, Hawaii Kai, Honolulu, Hawaii	2021	2022
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Senior Civil Engineer SCOPE: Responsible for performing all engineering services in connection with the design and preparation of construction plans, technical specifications, and cost estimates for the Project. The project improvements needed were to repair the eroded slope areas, repair the damaged fencing, and protect the slope from future erosion. Exposed footings of walls that were built within adjacent properties were identified and recommendations were installed to address the erosion and future damage to fencing and walls. CONSTRUCTION COST: \$1,900,000		
c.	City and County of Honolulu, Department of Facility Maintenance Waikiki Drain Outfall Improvements – Poni Moi Outfall Honolulu, Hawaii	2019	2020
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Senior Civil Engineer SCOPE: Responsible for conducting engineering studies and civil design services for the Waikiki Drain Outfall Improvements project. Design and construction documents (plans, specification and cost estimate) were completed for the installation of a Tideflex check valve at Poni Moi outfall to prevent ocean debris from clogging the drain line. Environmental permits/clearances were obtained, including DA permit, 401 WQC, SHPD, Flood Hazard Districts certification, EA/EIS Compliance. CONSTRUCTION COST: \$162,500		
d.	D.R. Horton – Schuler Division Mehana at Kapolei – Phases 1- 5 Subdivision and Roadways Kapolei, HI	2018	2018
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Senior Civil Engineer SCOPE: responsible providing planning, design and subdivision engineering services in support of the conceptual master plan and design guidelines for the 135-acre Mehana at Kapolei mixed-use residential community. The Mehana at Kapolei project included subdivision mapping, mass grading and roadway design. Subdivision efforts included the preparation and processing of the preliminary and final subdivision applications. Responsible for all civil design services for the overall Mehana at Kapolei project of 15,000 linear feet of roadways that include, water (8-inch and 12-inch), sewer, drainage, underground electric television and cable, varying pavement widths and, curb, gutter and sidewalk, landscaping and street lighting. Services to include preparation of construction documents (plans, specifications & cost estimates); and services during bidding and construction, which include attendance at preconstruction meetings, response to RFIs, review of contractor submittals; and construction observation. CONSTRUCTION COST: \$80,000,000		

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
Harold Pascua, PE, CWPPP, CESCOP	Project Manager	22	3

15. FIRM NAME AND LOCATION (City and State)

BK Bowers + Kubota Consulting, Waipahu, HI

16. EDUCATION (Degree and Specialization)

Bachelor of Science, Environmental and Sanitary Engineering
Bachelor of Science, Civil Engineering

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

HI, Professional Engineer/Civil, Structural [#9298 (exp. 4/30/2026)]

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

Certified Erosion & Sediment Control Plan Preparer

Certified Water Pollution Plan Preparer

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	NAVFAC Hawaii FY21 Special Project RM 17-1635 Red Hill Repair Roads and Erosion Control Honolulu, HI	2021	Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM ROLE: Senior Civil Engineer SCOPE: Provided engineering services for the repair of eroded areas, implementation of erosion control and rockfall mitigation measures, storm drainage improvements, and roadway improvement. Scope of work included conducting site engineering investigations and preparing 35%, 60%, pre-final and final design-bid-build contract documents. PROJECT COST: \$34,985,000		
b.	Hunt Communities Hawaii, LLC Kalaeloa Parcel 13 Roadway Improvements Kalaeloa, HI	Ongoing	TBD
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM ROLE: Senior Civil Engineer SCOPE: Providing engineering and landscape architecture services for the proposed roadway improvements along two sides of Parcel 13 in Kalaeloa. Portions of Enterprise Street and Franklin D. Roosevelt Avenue will be developed to City & County of Honolulu standards. Engineering services include civil, structural, geotechnical, site electrical, traffic, corrosion, and surveying. PROJECT COST: \$15,000,000		
c.	State of Hawaii, Department of Education Various Statewide Arch Bldg - SFA Various Locations, HI	Ongoing	TBD
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM ROLE: Senior Civil Engineer SCOPE: Architectural and engineering services for various architectural, building envelope, and fire alarm assessments and design for Department of Education statewide. As a task order based contract, notable scope of work includes renovation of 11 elementary school classrooms into preschool classrooms. PROJECT COST: \$3,500,000		
d.	NAVFAC Hawaii P-951 Main Gate Entry Control Facility Kaneohe, HI	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM ROLE: Senior Civil Engineer SCOPE: Conducting Charrette and CSRA session for the Entry Control Facility at MCBH Kaneohe Bay. PROJECT COST: \$46,600,000		
e.	City and County of Honolulu, Board of Water Supply Hoopili Off-site Potable Water System Ewa, HI	2018	2022
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☐ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM ROLE: Project Engineer SCOPE: Provided adequate water supply for the Hoopili Development Project. BWS water system was upgraded by the design of new transmission mains: 24" transmission main a total length of 5,600 LF, connection between the new 2.5 MG reservoir (located adjacent to the existing 1.5 MG reservoir) and the existing 5.0 MG reservoir; new 30" transmission main a total length 3,200 LF, connection between the existing 5.0 MG reservoir and the new Booster Pump Station located within the Aloun Farm property. Micro tunneling design was utilized for the portion of the 30" waterline crossing the H-1 Freeway; and a new 24" transmission main a total length of 1,150 LF connection between the new Booster Pump Station and the existing 30" WL on Farrington Highway PROJECT COST: \$50,820,000		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Justin Privett, PE, CWPPP, CESCPP	13. ROLE IN THIS CONTRACT Senior Civil Engineer	14. YEARS EXPERIENCE	
		A. TOTAL 18	B. WITH CURRENT FIRM <1

15. FIRM NAME AND LOCATION (City and State)

BK Bowers + Kubota Consulting, Waipahu, HI

16. EDUCATION (DEGREE AND SPECIALIZATION)

Bachelor of Science, Mechanical Engineering

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)

HI, Professional Engineer/Civil, [#12541 (exp. 4/30/2026)]

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

Certified Erosion & Sediment Control Plan Preparer

Certified Water Pollution Plan Preparer

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
City and County of Honolulu, HART City Center Utilities and Roadway Project Various Locations, HI	PROFESSIONAL SERVICES 2023	CONSTRUCTION (if applicable) N/A
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Civil Engineer SCOPE: Responsible for designing the realignment and coordination of BWS and Hawaii Gas infrastructure impacted by HART's new Skyline development. Additional responsibilities included assisting in the coordination and completion of contractor RFIs, and working directly with HART's Construction-Engineering-and-Inspection/CM group PROJECT COST: N/A	☐ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
(1) TITLE AND LOCATION (City and State) County of Kauai, Department of Public Works PA RH-03 Engineering Design and Support Services for Fiscal Year 2023 Islandwide Road Rehabilitation	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) N/A
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Senior Civil Engineer SCOPE: Providing design, permitting, and contract administration services during construction for the rehabilitation of 62 County of Kauai roadways totaling approximately 31 miles at various locations within East, West, and North Districts of Kauai. Pavement rehabilitation will involve three types of work: mill and fill (cold planning and resurfacing) of the existing asphalt concrete (AC) pavement top surface and wear course; mill, base course recompaction, and AC repavement; and, full-depth pavement reconstruction. PROJECT COST: \$19,000,000	☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
(1) TITLE AND LOCATION (City and State) County of Hawaii, Department of Public Works County Traffic Division Hawaii County, HI	PROFESSIONAL SERVICES 2013	CONSTRUCTION (if applicable) N/A
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Civil Engineer SCOPE: Worked on internal County maintenances and ROW improvement projects dealing with striping and signage. Work also included supporting the Division leads in the County's traffic calming initiative and pedestrian-focused safety improvements. Other work included addressing questions and requests from the public. Reviewed construction plans for projects that impacted County roadways. Tasks included creating internal record drawings and updating work log databases in completing work orders. Also supported the County's field personnel in their maintenance operations. PROJECT COST: N/A	☐ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
(1) TITLE AND LOCATION (City and State) County of Maui, Department of Public Works Waiale Road Extension Project Waikapu, Maui, Hawaii	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) N/A
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Senior Civil Engineer SCOPE: Providing the County of Maui cradle to grave services, from planning through construction, on the Waiale Road Extension project. The roadway improvements will include a single span bridge over Waikapu Stream, roundabout intersections, two through lanes, shoulder bikeways, pedestrian sidewalks, a shared-use path, and two parallel grassy swales, which will serve as a permanent stormwater best management practice (BMP). The project team conducted agency and public coordination, both to seek input and provide information relating to the environmental and design related tasks. The construction bid documents will include construction plans, specifications, engineer's estimate, and permits PROJECT COST: \$72,000,000 (estimated)	☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
(1) TITLE AND LOCATION (City and State) County of Kauai, Department of Public Works PA RH-08 Kahiliholo & Kaehulua Road Drainage Improvements, Kilauea and Kapaa, Kauai County, HI	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) N/A
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Technical Lead SCOPE: Providing project administration, land survey, geotechnical exploration, design plans/specifications/estimate, and services during construction for two deteriorating roadway culverts and related drainage improvements along Kahiliholo and Kaehulua Roads in Kilauea and Kapaa, respectively. CONTRACT VALUE: \$152,676.74	☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	

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
Patricia Cabus, PE, CWPPP, CESCOP	Civil Engineer	6	4

15. FIRM NAME AND LOCATION (City and State)

BK Bowers + Kubota Consulting, Waipahu, HI

16. EDUCATION (DEGREE AND SPECIALIZATION)

Bachelor of Science, Civil Engineering

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)

HI, Professional Engineer/Civil, [#20093 (exp. 4/30/2026)]

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

Certified Erosion & Sediment Control Plan Preparer

Certified Water Pollution Plan Preparer

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	State of Hawaii, Department of Transportation, Highways Vulnerable Roadway Users Safety Assessment Statewide, HI	2023	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Civil Engineer SCOPE: B+K worked with the HDOT to develop the State's first Vulnerable Road User Safety Assessment (VRUSA). A VRUSA is an assessment of the safety performance of a State with respect to vulnerable road users and the plan for the State to improve the safety of vulnerable road users. The assessment included the Safe System Approach, which aims to improve safety culture, increase collaboration across all stakeholders, and refocus transportation system design and operation on anticipating human mistakes and lessening impact forces to reduce crash severity and save lives. CONTRACT VALUE: \$575,000		
b.	State of Hawaii, Hawaii Health Systems Corporation Thompson Road Cottage Repairs & Refresh and Civil & Site Work Kailua-Kona, HI	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Civil Engineer SCOPE: Architectural and Engineering Design services for the repair and refresh of the existing Thompson road cottage to convert into an HHSC office. This includes exterior and interior repairs, including structure, with modification to plumbing and electrical components. An addition of an ADA-compliant ramp into the cottage is also included in the project. The site work will consist of demolition of the existing carport, modification to the driveway to provide 2 parking space, providing an accessible path from the parking spaces to the new Ada-compliant ramp and installing a new individual wastewater system (IWS). PROJECT COST: \$900,000		
c.	County of Hawaii, Office of Housing & Community Development University Heights Dwelling Demolition Plan Hilo, HI	2023	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Civil Engineer SCOPE: Provided civil engineering services and conducted a hazardous building materials survey for the demolition of a single family residential dwelling at 1215 Kalili Place in Hilo. PROJECT COST: \$140,000		
d.	Kamehameha Schools Large-Capacity Cesspool Closures & Individual Wastewater System Installations Hawaii Island and Oahu, HI	Ongoing	TBD
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Civil Engineer SCOPE: Providing civil engineering design and agency coordination services to backfill existing cesspools and replace with Individual Wastewater Systems (IWSs) on various properties owned by Kamehameha Schools. PROJECT COST: N/A		
e.	Kamehameha Schools Hiialo/Captain Cook Learning Center Acquisition Improvements Captain Cook, HI	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ROLE: Civil Engineer SCOPE: Providing engineering, architecture, and landscape architecture services to convert an existing church facility into a learning center with four preschool classrooms, community space, and offices. The project includes the demolition of two existing residential dwellings, reconstruction of driveways, parking lots, and site retaining walls, and renovations of an existing chapel and a two-story classroom building. PROJECT COST: \$7,000,000		

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
Albert Rivera	UAS Pilot/CADD Manager	33	33

15. FIRM NAME AND LOCATION (City and State)

 Bowers + Kubota Consulting, Waipahu, HI

16. EDUCATION (Degree and Specialization)

Associate of Science, Drafting Technology

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

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

U.S. Department of Transportation, Federal Aviation Administration, Certified Remote Pilot (Certificate No. 4789202)
Aloha State AutoCAD Users Group (ASAUG)

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	NAVFAC Hawaii FY21 Special Project RM 17-1635 Repair Roads and Erosion Control Pearl Harbor, HI	2021	Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM ROLE: CADD Manager SCOPE: Provided engineering services for the repair of eroded areas, implementation of erosion control and rockfall mitigation measures, storm drainage improvements, and roadway improvements. Scope of work included conducting site engineering investigations and preparing 35%, 60%, pre-final and final design-bid-build contract documents. PROJECT COST: \$34,985,000		
b.	City and County of Honolulu, Department of Transportation Services Complete Streets Planning and Preliminary Design Kaneohe, Kailua, and Pearl City, HI	2021	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM ROLE: CADD Manager SCOPE: Managed a team of sub-consultants and participated in context sensitive solutions to develop complete street concepts in the three areas as part of the City's programmed street rehabilitation work. The input will be used to develop proposed street cross sections and prepare concept plans for each area's roadway improvements along with associated opinions of probable construction costs. PROJECT COST: \$4,000,000		
c.	State of Hawaii, Department of Transportation, Highways Route 50 (Kaumualii Highway) Feasibility Study, Hanapepe to Kekaha Kekaha, Kauai	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM ROLE: CADD Manager SCOPE: Conducting a Feasibility Study to explore conceptual details, constraints, and prospective timelines for different resiliency improvement alternatives based on probable future scenarios of concern for Route 50, Kaumualii Highway, from Hanapepe to Kekaha. The objectives of the Feasibility Study are to explore resiliency realities, criticalities, and challenges for the Route 50 study area. The scope of work will include coastal modeling of tidal flood frequency analysis and high-resolution sea level rise and wave inundation modeling. The modeling will be conducted for a variety of future sea level rise scenarios combined with different wave events to help estimate the frequency of occurrence of flooding at selected intervals in the future. Contract Value: \$675,000		
d.	State of Hawaii, Department of Transportation, Highways Division Transportation Corridor Assessment Route 11 Queen Kaahumanu, Kuakini Highway, Ewa, HI	2023	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM ROLE: CADD Manager SCOPE: Congestion on Route 11 between Henry Street and Kamehameha III Road continues to grow and worsen over time. B+K is leading a corridor assessment to find plausible solutions and options that will reduce congestion and enhance safety in the area. As an early feasibility study, some of the criteria being evaluated and reviewed are the congestion duration, multimodal improvements, mobility, safety, right-of-way impacts, historic, cultural, and natural resource impacts, climate change adaptation, and cost. CONTRACT VALUE: \$301,000		
e.	Gentry Homes, Ltd. Ewa by Gentry: Geiger Road Improvements Ewa Beach, HI	2017	2018
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ CHECK IF PROJECT PERFORMED WITH CURRENT FIRM ROLE: CADD Manager SCOPE: Provided design services for Ewa by Gentry roadways including Geiger Road from Kapolei Parkway to the far extent of Coral Creek Golf Course, and half-width improvements for the remainder of the roadway to the Kalaeloa Community Redevelopment District; Kamakana Street with a residential intersection roundabout; Keaunui Drive and Fort Weaver Road Intersection; Iroquois Point Road Improvements; Signalization of Kapolei Parkway and Fort Weaver Road, Keaunui Drive and Iroquois Point Road and Geiger Road and Kapolei Parkway. PROJECT COST: \$2,600,000		

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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
		1
21. TITLE AND LOCATION <i>(City and State)</i>		22. YEAR COMPLETED
State of Hawaii, Department of Transportation, Highways Transportation Corridor Assessment Route 11 Queen Kaahumanu/ Kuakini Highway Kailua-Kona, HI		PROFESSIONAL SERVICES Ongoing CONSTRUCTION <i>(if applicable)</i> 2023
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER State of Hawaii, Department of Transportation, Highways	b. POINT OF CONTACT NAME Dean Matsui	c. POINT OF CONTACT TELEPHONE NUMBER (808) 587-1833
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>		

Areas this Project Addresses:

- Data Gathering
- Traffic Study
- Conceptual Design
- Corridor Assessment
- Project Management

SCOPE: With the growth in population and increase in traffic along the Kona Coast on Hawaii island, congestion on Route 11 between Henry Street and Kamehameha III Road continues to grow and worsen over time. Route 11 is designated as Queen Kaahumanu Extension (north of the Kuakini Highway intersection) and Kuakini Highway.

Bowers + Kubota is performing a Corridor Assessment to find plausible solutions and options that will reduce congestion and enhance safety in the area. The approach to develop the concepts will be modeled after the Planning and Environmental Linkages (PEL) approach to help facilitate future NEPA or HEPA processes in the future.

The conceptual design will consider:

- Existing geometrics and vertical grades
- Available right-of-way
- Physical constraints
- Proximity of known existing environmental resources of special criticality, or sensitivity
- Traffic study existing and future operational and safety evaluation results
- Constraints identified in the previous EIS work
- HDOT design criteria

Future traffic operations will be evaluated and near-term and mid-term improvements that can be readily implemented to reduce congestion will be identified and evaluated against a predetermined set of criteria.

The Corridor Assessment will include a discussion of how the final Assessment was developed and how applicable planning and policy requirements are met. The Assessment will provide HDOT with a clear and implementable range of projects that will have a defined purpose, tangible, and recognized benefits.

PROJECT COST: \$301,000



Potential roundabout at Route 11 and Lako Street

25. FIRMS INVOLVED WITH THIS PROJECT		
(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.  Bowers + Kubota Consulting, Inc.	Waipahu, HI	Project Management, Conceptual Design, Transportation Planning

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 (City and State) State of Hawaii, Department of Transportation, Highways [Sub-consultant to Jacobs Engineering Group] Transportation Asset Management Plan (TAMP) Statewide, Hawaii		22. YEAR COMPLETED PROFESSIONAL SERVICES Ongoing CONSTRUCTION (if applicable) N/A	
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER State of Hawaii, Department of Transportation, Highways		b. POINT OF CONTACT NAME Rachel Roper-Noonan c. POINT OF CONTACT TELEPHONE NUMBER (808) 587-6396	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)			

Areas this Project Addresses:

- Asset management objectives and measures
- System inventory and performance gap identification
- Lifecycle cost and risk management analysis
- Financial plan
- Investment strategies

SCOPE: Bowers + Kubota Consulting continues to work with the HDOT to update their Asset Management Plan that complies with the federal requirements under the Infrastructure Investment and Jobs Act, FAST Act, and MAP-21 legislation, which requires states to develop and implement a performance- and risk-based asset management plan that provide strategies to achieve national goals and state-established condition and performance thresholds for the National Highway System.

B+K, with Jacobs, reviewed existing asset management requirements, guidance, and new rulemaking released by the United States Department of Transportation, and coordinated with the HDOT Highways programs to determine which assets to include in the Asset Management Plan and the resources available and needed for each asset.

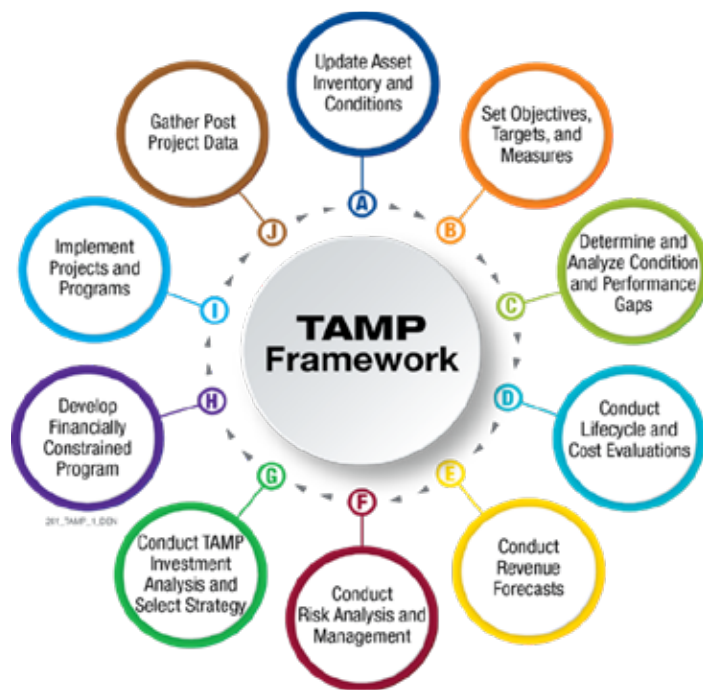
The Transportation Asset Management Plan (TAMP) was developed in 2018 and has to be recertified every four years. The TAMP describes the asset management processes being implemented by the HDOT, includes a summary listing of the asset conditions, reflects lifecycle planning and performance gap identification, and conducts a risk management analysis, a 10-year financial plan, and investment strategies.

The figure above shows the primary components of the transportation asset management framework. It's a continuous feedback loop whereby:

1. Observed outcomes are evaluated against predicted outcomes to validate or further refine predictive tools and methodologies.
2. Performance expectations (expressed as targets) are iteratively adjusted based on budget constraints or to achieve the most desired outcomes upon consideration of trade-offs.
3. Risk strategies are updated per observed effectiveness in mitigating threats and seizing opportunities.

B+K also assisted in the development and recertification of the 2022 TAMP and is currently working on a revision to update the Pavement and Bridge Condition targets.

PROJECT COST: \$178,700



25. FIRMS INVOLVED WITH THIS PROJECT		
(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.  Bowers + Kubota Consulting, Inc.	Waipahu, HI	Project Management, Asset Management, Risk Management, Transportation Planning

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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
		3
21. TITLE AND LOCATION <i>(City and State)</i>		22. YEAR COMPLETED
County of Kauai, Department of Public Works PA RH-03 Engineering Design and Support Services for Fiscal Year 2023 Islandwide Road Rehabilitation Various Locations, HI		PROFESSIONAL SERVICES Ongoing
		CONSTRUCTION <i>(if applicable)</i> N/A
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
County of Kauai, Department of Public Works	Todd Ozaki	(808) 241-4845
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>		

Areas this Project Addresses:

- Roadway Design
- Repair and Maintenance
- Contract Administration
- Pavement Rehabilitation

SCOPE: Bowers + Kubota provided design and permitting, and will provide contract administration services during construction for the rehabilitation of 62 County of Kauai roadways totaling approximately 32 miles at various location within East, West, and North Districts of Kauai. The B+K Team conducted visual assessments of all 32 miles of project roadway conditions with the team's geotechnical engineers and County DPW Roads Division District Baseyard Managers and produced summary reports of findings and rehabilitation recommendations.

Pavement rehabilitation will involve three types of work: mill and fill (cold planing and resurfacing) of the existing asphalt concrete (AC) pavement top surface and wear course; mill, base course recompaction, and AC repavement; and, full-depth pavement reconstruction.

The B+K Team completed an HRS Chapter 343 exemption declaration in line with the County's exemption list on file with the State OPSD-ERP, and is coordinating an archaeological monitoring plan with the State DLNR-SHPD to comply with HRS Chapter 6E and applied for NPDES Form C permits.

PROJECT COST: \$644,400 (Total Consultant Fee) / \$19.3M (Estimated Construction Cost)



25. FIRMS INVOLVED WITH THIS PROJECT		
(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.  Bowers + Kubota Consulting, Inc.	Waipahu, HI	Civil Engineer, Project Manager

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 4
21. TITLE AND LOCATION (City and State) State of Hawaii, Department of Transportation, Highways Mid-Range Transportation Plan (MRTP) [Sub-consultant to Jacobs Engineering Group], Statewide, Hawaii		22. YEAR COMPLETED PROFESSIONAL SERVICES: Ongoing CONSTRUCTION (if applicable): N/A
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER State of Hawaii, Department of Transportation, Highways Planning Branch	b. POINT OF CONTACT NAME Rachel Roper-Noonan	c. POINT OF CONTACT TELEPHONE NUMBER (808) 587-6396
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)		

Areas this Project Addresses:

- Assessment of existing HDOT practices and resources
- Review of national best practices
- Development of planning and programming alternatives
- Implementation and action plan
- Development of web-based Statewide Transportation Improvement Program

SCOPE: The Mid-Range Plan is an 8- or 10-year plan that links long-range plans and the highway programs with project delivery budget and projects. The plan will assist the Highways with delivering projects efficiently by committing to projects early in the process. Early commitment will allow the division to identify and initiate projects earlier, effectively allocate resources and funding, and provide flexibility in the project delivery phases. Jacobs' scope of services covers Phase 1 and 2, including:

- Task 1. Kick Off Meeting, Goals and Objectives – Includes a kick-off meeting and establishes a shared understanding of the project purpose to enable buy-in from key stakeholders and provide a basis for development and selection of planning and programming alternatives.
- Task 2. Existing Systems Review – Develops a shared understanding of existing HDOT practices and resources and a summary of best practices from across the country.
- Task 3. Develop Planning and Programming Alternatives; Conduct System and Gap Analysis and Needs; and Select Preferred Alternative – Includes development of planning and programming alternatives based on a best practices approach, assessment of the alternatives compared to available tools and resources, and selection of a preferred alternative for moving forward.
- Task 4. Planning and Programming Scope and Action Plan – Develops an accessible, easy-to-read scope and plan of action, based on the preferred alternative. This task provides a clear road map for moving forward.
- Task 5. Outreach and Decision Making – Includes the outreach and meetings that will be required for project buy-in and setting the foundation for implementation of the preferred alternative.



PHASE TWO

Based on the outcome of Phase 1, methodology and associated database systems are being developed and designed to implement the MRTP. The MRTP will include an objective and transparent process to select and prioritize projects. The scope includes development of performance measures and evaluation criteria, which will be the basis for the selection of projects for inclusion in the 10-year MRTP.

PROJECT COST: \$1,800,000

25. FIRMS INVOLVED WITH THIS PROJECT		
(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a. Bowers + Kubota Consulting, Inc.	Waipahu, HI	Project Management, Stakeholder outreach, Assessment of existing HDOT practices, Planning and Implementation Plan

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 5				
21. TITLE AND LOCATION <i>(City and State)</i> State of Hawaii, Department of Transportation, Highways [Sub-consultant to Jacobs Engineering Group] Interstate H-1 Eastbound Improvements, Ola Lane to Likelike Highway Off-Ramp Honolulu, HI		22. YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION <i>(if applicable)</i></td> </tr> <tr> <td>Ongoing</td> <td>N/A</td> </tr> </table>	PROFESSIONAL SERVICES	CONSTRUCTION <i>(if applicable)</i>	Ongoing	N/A
PROFESSIONAL SERVICES	CONSTRUCTION <i>(if applicable)</i>					
Ongoing	N/A					
23. PROJECT OWNER'S INFORMATION						
a. PROJECT OWNER State of Hawaii, Department of Transportation	b. POINT OF CONTACT NAME Holly Yuen	c. POINT OF CONTACT TELEPHONE NUMBER (808) 692-7548				
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>						

Areas this Project Addresses:

- Project Management
- Chapter 343 HRS/NEPA Environmental Assessment
- Conceptual and Preliminary Engineering
- Agency Coordination and Public Outreach
- Utility Design and Coordination
- Plans, Specifications, and Estimate
- Right-of-Way mapping and appraisal services



SCOPE: The project team is working with HDOT and Jacobs, Inc. to prepare environmental documentation, preliminary design, and final construction documents for the H-1 Improvements from the Ola Lane overpass to the Likelike Highway off-ramp. The project scope includes the elimination of the Interstate H-1/H-201 merge, increasing the shoulder and lane widths, and increasing the vertical clearance of the Gulick Bridge Overcrossing.

This improvement project has many challenges including constrained right-of-way, significant utility relocations (sewer, water, gas, electrical, telecommunications, and cable), numerous agencies and community stakeholders, maintaining traffic during construction, and construction of two bridge structures (Kalihi Stream Bridge and Gulick Avenue Bridge).

Restarted in 2019, the project team will conduct agency and public coordination, both to seek input and provide information relating to the environmental and design related tasks. Bowers + Kubota is providing the project management services.

The environmental documentation for the improvement project will be prepared as a HRS 343 environmental assessment and NEPA categorical exclusion. The alternatives analyses for the EA will include three scenarios: no build, full widening to meet current design standards, and maximize the use of the existing right-of-way.

Preliminary and final design engineering will include roadway improvements, drainage, signing and striping, illumination, traffic signal design, geotechnical analysis, Intelligent Transportation components, utility relocation, pavement design, two bridge structures, cantilever signs, retaining walls, stage construction, and right-of-way mapping.

Ready to Advertise documents will include construction plans, specifications, engineer's estimate, and permits. Services during construction will also be provided.

Project Management and Design Costs: \$5.2 million

Estimated Construction Cost: \$90 million

25. FIRMS INVOLVED WITH THIS PROJECT		
(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.  Bowers + Kubota Consulting, Inc.	Waipahu, HI	Project Management

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 (City and State)		22. YEAR COMPLETED
State of Hawaii, Department of Transportation, Highways Route 50 (Kaunualii Highway) Feasibility Study, Hanapepe to Kekaha Kekaha, Kauai		PROFESSIONAL SERVICES 2023 CONSTRUCTION (if applicable) N/A
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER State of Hawaii, Department of Transportation, Highways	b. POINT OF CONTACT NAME Dean Matsui	c. POINT OF CONTACT TELEPHONE NUMBER (808) 587-1830
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)		

Areas this Project Addresses:

- Climate Change/Resiliency
- Data Gathering and Review
- Conceptual Design
- Coastal Engineering
- Feasibility Study
- Project Management

SCOPE: Bowers + Kubota will conduct a Feasibility Study to explore conceptual details, constraints, and prospective timelines for different resiliency improvement alternatives based on probable future scenarios of concern for Route 50, Kaunualii Highway, from Hanapepe to Kekaha.

The objectives of the Feasibility Study are to:

- Explore resiliency realities, criticalities, and challenges for the Route 50 study area.
- Conduct a study to explore alternatives, examine environmental impacts, risks, and feasibility to improve the resiliency of Route 50
- Provide a final report summarizing the findings to proactively vet feasible and practicable options and prioritize solutions.

The scope of work will include coastal modeling of tidal flood frequency analysis and high-resolution sea level rise and wave inundation modeling. The modeling will be conducted for a variety of future sea level rise scenarios combined with different wave events to help estimate the frequency of occurrence of flooding at selected intervals in the future.

A feasibility assessment with planning level opinions of probable costs and an analysis of disadvantaged communities will be conducted to reflect possible coastal engineering alternatives to improve the resiliency of Route 50 to future sea level rise. Alternatives may include, but are not limited to, beach restoration, beach restoration with stabilizing structures, berm or dune enhancement or creation, existing revetment repairs or enhancements, new shoreline structures, scour protection, ground elevation or setback suggestions, and other possible nature-based solutions. The alternatives and recommendations will be prioritized for implementation and will include midterm and long-term solutions that most effectively meet the HDOT's priorities. The feasibility study will provide HDOT with a range of projects that will have a defined purpose and tangible and recognized benefits.

CONTRACT VALUE: \$675,000



25. FIRMS INVOLVED WITH THIS PROJECT		
(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.  Bowers + Kubota Consulting, Inc.	Waipahu, HI	Project Management, Conceptual Design, Transportation Planning,

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 7
21. TITLE AND LOCATION <i>(City and State)</i> County of Hawaii, Department of Public Works Engineering Services Waikoloa Road / Paniolo Avenue Roundabout Waikoloa, HI		22. YEAR COMPLETED PROFESSIONAL SERVICES Ongoing CONSTRUCTION <i>(if applicable)</i> N/A
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER County of Hawaii Department of Public Works	b. POINT OF CONTACT NAME Alexander Kalawe	c. POINT OF CONTACT TELEPHONE NUMBER (808) 961-8321
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>		

Areas this Project Addresses:

- Plans, Specifications, and Estimates
- Roundabout
- Environmental Assessment
- Services During Construction

SCOPE: Bowers + Kubota is providing engineering services to include plans, specifications, and estimates, an environmental assessment and services during construction for a roundabout at the intersection of Waikoloa Road/Paniolo Avenue/ Pua Melia Street on the Big Island of Hawaii. Construction drawings will be prepared to meet the requirements of the Hawaii State Department of Transportation and the County of Hawaii Department of Public Works.

PROJECT COST: \$2,800,000



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.  Bowers + Kubota Consulting, Inc.	Waipahu, HI	Civil Engineer, Planner

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 8
21. TITLE AND LOCATION (City and State) City and County of Honolulu, Department of Transportation Services Complete Streets Planning and Preliminary Design Kaneohe, Kailua, and Pearl City, HI		22. YEAR COMPLETED PROFESSIONAL SERVICES: 2021 CONSTRUCTION (if applicable): N/A
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City and County of Honolulu, Department of Transportation Services	b. POINT OF CONTACT NAME Daniel Alexander	c. POINT OF CONTACT TELEPHONE NUMBER (808) 768-6652
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)		

Areas this Project Addresses:

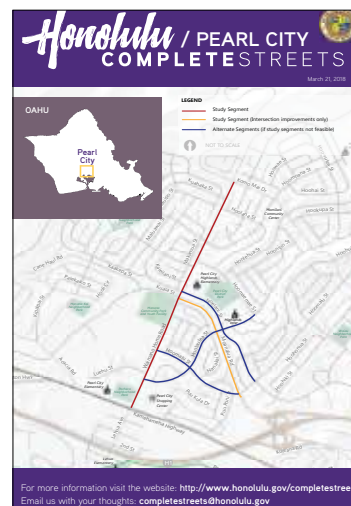
- Multimodal Transportation Assessments
- Complete Streets
- Green Streets
- Planning
- Public Outreach and Coordination

SCOPE: Bowers + Kubota Consulting assessed implementation of complete streets concept designs in Kaneohe, Kailua, and Pearl City area as part of planned road rehabilitation projects in each area. The inter-disciplinary team was comprised of civil/transportation engineers, physical/site planners, urban designers, arborists, and landscape architects. While over a dozen specific streets were identified for rehabilitation, the scope of the assignment included identification of additional alternative streets that may be better suited to multi-modal transportation improvements.

Initial tasks included evaluation of existing conditions through driving, walking and bicycling audits of each community; identifying the complete streets network based on land use and roadway configuration; and developing preliminary street cross-sections showing options for pedestrian walkways, bicycle lanes, shared pathways, and vehicular travel lanes. The project applied a context-sensitive solutions process, engaging stakeholders via outreach efforts, including community leader contact, social media outreach, bike tours, pop-up and sit-down sessions, distribution of project-specific collateral materials, and broadcast media coverage. Input from the community was combined with a multi-modal assessment of all transportation methods in each area and observations from the project team to prepare the complete streets proposals. Within each area unique conditions and parameters existed that called for specific solutions. Viable tools to develop complete streets were combined with sound urban design, physical planning and landscape architecture to arrive at best options. The results of the combined input were revealed at community meetings where concept plans were shown and additional feedback was provided.

B+K worked with the team to bring its collective experience together and bring a sensible approach to addressing the evolution of the project areas' transportation networks, which was used to refine the street cross-sections and prepared concept plans for the proposed roadway improvements along with associated opinions of probable construction costs. B+K also assisted with the preparation of Exemption Declarations for the project pursuant to HRS Ch. 343.

PROJECT COST: \$4,000,000



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a. Bowers + Kubota Consulting, Inc.	Waipahu, HI	Civil Engineer, Planner, Landscape Architecture

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 9
21. TITLE AND LOCATION (City and State) State of Hawaii, Department of Transportation, Highways Vulnerable Road User Safety Assessment (VRUSA) Honolulu, HI		22. YEAR COMPLETED PROFESSIONAL SERVICES: 2023 CONSTRUCTION (if applicable): N/A
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER State of Hawaii, Department of Transportation, Highways	b. POINT OF CONTACT NAME Jan Higaki	c. POINT OF CONTACT TELEPHONE NUMBER (808) 692-7685
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)		

Areas this Project Addresses:

- Data Driven Assessment
- Safe System Approach, Vision Zero
- Complete Streets Assessment
- Climate and Sustainability
- Equity
- Stakeholder Committees
- Development of Programs and Strategies

SCOPE: Bowers + Kubota Consulting to working with the HDOT to develop the State's first Vulnerable Road User Safety Assessment (VRUSA). A VRUSA is an assessment of the safety performance of a State with respect to vulnerable improve the safety of vulnerable road users. Addressing the safety of vulnerable road users through a collaborative and comprehensive approach allows people that walk, bike, and roll full and safe access to our transportation system.



road users and the plan for the State to

The assessment will include the Safe System Approach, which aims to improve safety culture, increase collaboration across all stakeholders, and refocus transportation system design and operation on anticipating human mistakes and lessening impact forces to reduce crash severity and save lives. The graphic below contains the five elements through which the Safe System approach is implemented.



B+K will develop a methodology to identify high-risk areas to vulnerable road users, using crash data, pedestrian and bicycle facilities, functional classification, transit service data, surrounding land use/activity centers, equity data, and demographic data (race, ethnicity, income, and age). B+K will facilitate stakeholders to help validate the high-risk areas. In developing the program of projects of strategies, B+K will consider the Safe System Approach, Complete Streets Design model, and the American with Disabilities Act transition plans. The strategies will include project elements that proactively address racial equity, access for elderly people and people with disabilities, and that remove barriers to opportunity and accessibility including vehicular dependence in both rural and urban communities and which redress prior inequities and barriers to opportunity. The findings and results will be consolidated into the VRUSA Assessment Report, which will become an addendum to the 2019-2024 Hawaii Strategic Highway Safety Plan.



CONTRACT VALUE: \$575,000

25. FIRMS INVOLVED WITH THIS PROJECT		
(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a. Bowers + Kubota Consulting, Inc.	Waipahu, HI	Project Management, Transportation Planning, Safe System Approach

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <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 10
21. TITLE AND LOCATION (City and State) County of Maui, Department of Public Works Waiale Road Extension Project Waikapu, HI		22. YEAR COMPLETED PROFESSIONAL SERVICES: Ongoing CONSTRUCTION (if applicable): N/A
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER County of Maui, Department of Public Works	b. POINT OF CONTACT NAME Nolly Yagin	c. POINT OF CONTACT TELEPHONE NUMBER (808) 270-7437
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)		

Areas this Project Addresses:

- Chapter 343 HRS/NEPA Environmental Assessment
- Conceptual and Preliminary Engineering
- Agency Coordination and Public Outreach
- Utility Design and Coordination
- Plans, Specifications, and Estimate
- Right-of-Way mapping and appraisal services
- Funding (Federal, State, and Public Private Partnerships)
- RAISE Grants with FHWA/HDOT Oversight
- Construction Management
- Project Management



SCOPE: The Bowers + Kubota project team is providing the County of Maui cradle to grave services, from planning through construction, on the Waiale Road Extension project. The project will extend Waiale Road from its current terminus at East Waiko Road southward to Honoapiilani Highway. The proposed extension will support all transportation modes, protect non-motorized travelers, and is approximately 8,600 lineal feet (ft.) in length within an 80-ft. right-of-way. The Waiale Road extension is a critical part of the planned regional infrastructure for the County of Maui and will serve as the catalyst for surrounding planned developments to increase much needed affordable housing.

The B+K project team will review the environmental documentation, preliminary design, and final construction documents for the Waiale Road extension.

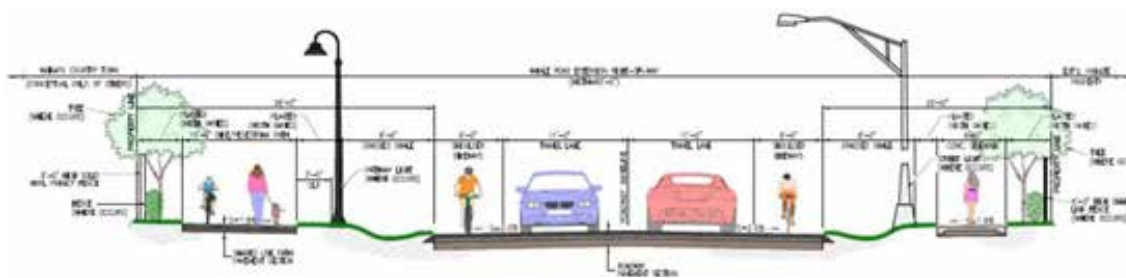
The roadway improvements will include a single span bridge over Waikapu Stream, roundabout intersections, two through lanes, shoulder bikeways, pedestrian sidewalks, a shared-use path, and parallel grassy swales, which will serve as a permanent stormwater best management practice (BMP).

The B+K project team will conduct agency and public coordination, both to seek input and provide information relating to the environmental and design related tasks. The environmental documentation for the improvement project will be prepared as a joint NEPA/HRS 343 environmental assessment.

Ready to Advertise documents will include construction plans, specifications, engineer's estimate, and permits. Bid support and construction management will be provided by B+K.

B+K is also assisting the County of Maui by exploring funding options for the roadway project. The funding options include federal-aid funding, developer pro rata fair share, state funding, federal discretionary grants, and public private partnerships. The B+K team has already been successful in helping the County obtain a FY2022 RAISE grant for \$25 Million.

PROJECT COST: \$72,000,000 (estimated)



25. FIRMS INVOLVED WITH THIS PROJECT		
(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a. BK Bowers + Kubota Consulting, Inc.	Waipahu, HI	Project and Construction Management

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
Kathleen Chu, PE	Principal-in-Charge	X	X		X		X			X	X
Jared Chang, AICP	Planning Project Manager		X							X	X
Ronald Sato, AICP	Senior Project Manager/Senior Planner	X					X				X
Carah Kadota, AICP	Assistant Planning Project Manager			X			X			X	
Matthew Fernandez	Planner										
Ty Shiramizu	Planner										
Malachi Krishok	Planner										
Amy Yamakawa	Graphic Designer	X					X		X	X	X
Jay Stone, P.E., BCEE, CFM, CPESC, CPSWQ, CESCPP, CWPPP, ESCPC, LEED AP	Principal Civil Engineer			X				X	X	X	
Michael Nishimura, PE, ESCPC, CWPPP, CESCPP, LEED AP	Senior Project Manager			X			X				
Lindsay Nakashima, PE, CWPPP, CPESC, CESCPP, MBA	Senior Project Manager	X		X			X	X	X		X
Cary Kondo, PE, CWPPP, CESCPP	Senior Project Manager							X			
David Bills, PE, CWPPP	Senior Project Manager										
Nicolo "Nick" Orense, PE, CWPPP, CESCPP, LEED AP	Senior Project Manager										
Jeremy Michelson, PE, PMP, CPESC, CWPPP, CESCPP	Senior Project Manager							X			
Trina Onuma, PE, CWPPP, CESCPP, LEED AP, MBA	Senior Project Manager										
Eric Tamashiro, PE, CWPPP, ESCPC, CESCPP, LEED AP	Senior Project Manager			X							
Kristen Yoshida, PE, CPESC, CPSWQ, CWPPP, CESCPP	Project Manager	X					X	X	X		

29. EXAMPLE PROJECTS KEY

NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	State of Hawaii, Department of Transportation, Highways Transportation Corridor Assessment Route 11 Queen Kaahumanu/ Kuakini Highway	6	State of Hawaii, Department of Transportation, Highways Route 50 (Kaumualii Highway) Feasibility Study, Hanapepe to Kekaha
2	State of Hawaii, Department of Transportation, Highways [Sub-consultant to Jacobs Engineering Group] Transportation Asset Management Plan (TAMP)	7	County of Hawaii, Department of Public Works Engineering Services Waikoloa Road / Paniolo Avenue Roundabout
3	County of Kauai, Department of Public Works PA RH-03 Engineering Design and Support Services for Fiscal Year 2023 Island wide Road Rehabilitation	8	City and County of Honolulu, Department of Transportation Services Complete Streets Planning and Preliminary Design
4	Mid-Range Transportation Plan (MRTP) [Sub-consultant to Jacobs Engineering Group]	9	State of Hawaii, Department of Transportation, Highways Vulnerable Road User Safety Assessment (VRUSA)
5	State of Hawaii, Department of Transportation, Highways [Sub-consultant to Jacobs Engineering Group] Interstate H-1 Eastbound Improvements, Ola Lane to Likelike Highway Off-Ramp	10	County of Maui, Department of Public Works Waiale Road Extension Project

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
Karen Bates, PE, CWPPP, CESCOP	Project Manager										
Harold Pascua, PE, CWPPP, CESCOP	Project Manager										
Justin Privett, PE, CWPPP, CESCOP	Senior Civil Engineer	X		X							X
Patricia Cabus, PE, CWPPP, CESCOP	Civil Engineer									X	
Albert Rivera	UAS Pilot/CADD Manager	X					X		X		

29. EXAMPLE PROJECTS KEY

NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	State of Hawaii, Department of Transportation, Highways Transportation Corridor Assessment Route 11 Queen Kaahumanu/ Kuakini Highway	6	State of Hawaii, Department of Transportation, Highways Route 50 (Kaunualii Highway) Feasibility Study, Hanapepe to Kekaha
2	State of Hawaii, Department of Transportation, Highways [Sub-consultant to Jacobs Engineering Group] Transportation Asset Management Plan (TAMP)	7	County of Hawaii, Department of Public Works Engineering Services Waikoloa Road / Paniolo Avenue Roundabout
3	County of Kauai, Department of Public Works PA RH-03 Engineering Design and Support Services for Fiscal Year 2023 Island wide Road Rehabilitation	8	City and County of Honolulu, Department of Transportation Services Complete Streets Planning and Preliminary Design
4	Mid-Range Transportation Plan (MRTP) [Sub-consultant to Jacobs Engineering Group]	9	State of Hawaii, Department of Transportation, Highways Vulnerable Road User Safety Assessment (VRUSA)
5	State of Hawaii, Department of Transportation, Highways [Sub-consultant to Jacobs Engineering Group] Interstate H-1 Eastbound Improvements, Ola Lane to Likelike Highway Off-Ramp	10	County of Maui, Department of Public Works Waiale Road Extension Project

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.



QUALIFICATIONS

1. THE NAME OF THE FIRM OR PERSON, THE PRINCIPAL PLACE OF BUSINESS, AND LOCATION OF ALL OF ITS OFFICES.

Bowers + Kubota Consulting (B+K) is an Employee-Owned firm providing Architectural/Engineering Design and Planning; Construction Management; and Program and Project Management services. We are committed to our mission statement of **Fulfilling Visions. Building Trust.** by utilizing our strengths, comprehensive abilities, and unique expertise to provide premier professional services for the County of Hawaii.

Our principal place of business is located on the west side of Oahu. B+K has a field office located in Hilo, Hawaii. This office houses our 12 Hilo team members and provides for a strong **boots on the ground** presence on Hawaii Island and an easy reach to the County's projects.

Our Team has the full support of our main office in Waipahu and satellite offices on Oahu (Kalihi), Maui and Kauai.

OFFICE LOCATIONS:

Main Office (Waipahu) - Oahu
Satellite Office (Kalihi) - Oahu
Satellite Offices - Maui, Kauai, and
Hawaii Island
Field Office - Molokai

2. THE AGE OF THE FIRM AND ITS AVERAGE NUMBER OF EMPLOYEES OVER THE PAST YEARS.

B+K has been providing quality service to our clients for the past 44 years. Our strength is in our employees and we have over 256 dedicated team members providing expertise in the areas of A/E design, construction management and project management services. Over the past 5 years, the average number of employees has been 245 total staff, including nine principals.

3. THE EDUCATION, TRAINING, AND QUALIFICATIONS OF KEY MEMBERS OF THE FIRM.

We truly believe in the strength of our team. A strong team with a motivating team leader has the drive and commitment to deliver projects as promised. A strong team creates a contagious synergy that generates the motivation to move beyond standard solutions. A strong team engages in out-of-the-box thinking to transform an initial thought into an idea, from which appropriate design and construction solutions are created. This process is fluid and continuous and is unconstrained by rules and limitations.

We have a strong team. The most important aspect of our architectural, civil, electrical engineering; project management, program management, and construction management services is our Team. B+K has thoughtfully assembled a highly qualified and dedicated group of professionals who will provide the necessary services to the County for anticipated projects. Our team was handpicked and represents the best of the best. All members bring a refined depth of relevant experience and remain committed to exceeding the expectations of the County. The following matrix represents the education, training, and qualifications of our key personnel firm wide.

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

KEY PERSONNEL PROFESSIONAL QUALIFICATIONS						
KEY PERSONNEL	PROJECT ROLE	ACTIVE PROFESSIONAL REGISTRATION		NO. OF YEARS EXPERIENCE	EDUCATION	OTHER CERTIFICATIONS / TRAINING
		STATE	DISCIPLINE			
ARCHITECTURAL DESIGN						
Hae-Dong Lee, AIA, NCDIQ, LEED AP, MBA	Principal Architect	HI/GA	Architect	18	MBA/BA	NCDIQ, LEED AP
Chad Okinaka, AIA, LEED AP	Architecture Manager	HI	Architect	35	BA	LEED AP
Wesley Ujimori, RA	Project Manager	CA	Architect	44	BA	
Dean Ichiyama, AIA	Senior Project Architect	HI	Architect	37	BA	CSI
Aaron Ackerman, LEED AP	Sustainability Team Leader/Project Architect		N/A	20	BA	LEED AP
Robyn Ebisui, D. Arch, ASID, LEED AP	Interior Designer		N/A	15	DArch/BA	ASID, LEED AP
Julius G. Vergabera	Project Architect		N/A	15	AS	
Anna Sakata	Project Architect		N/A	36	BS	
Landon Hamada, D. Arch	Project Designer		N/A	8	DArch/BA	
LANDSCAPE ARCHITECTURAL DESIGN						
Brad Tanimura, PLA, ASLA, CLARB	Landscape Architecture Manager	HI	Landscape Architect	24	BLA	CLARB
Michael Garriss, PLA, ASLA, ULI, LEED AP	Landscape Project Manager	HI	Landscape Architect	37	BLA	LEED AP
Tomoko Naka, PLA, ASLA, ESCPC, CWPPP, LEED GA, LEED AP BD+C	Senior Landscape Architect	HI	Landscape Architect	20	AS	LEED GA, LEED AP BD+C
Kelsey Wai, PLA, ASLA, NRPA, CLARB	Junior Landscape Designer		N/A	6	BLA	CLARB
Lance Keliiaa, ASLA	Senior Landscape Designer		N/A	35	AS	
Christopher Billete, ASLA	Junior Landscape Designer		N/A	23	AS	
PLANNING						
Jared Chang, AICP	Planning Manager / Senior Project Planner		N/A	18	BA	AICP
Ronald Sato, AICP	Senior Project Manager/Senior Planner		N/A	34	BS / MA	AICP
Carah Kadota, AICP	Assistant Planning Project Manager		N/A	8	BEnvD	AICP
Matthew Fernandez	Planner		N/A	4	MS / BS	
Ty Shiramizu, AICP	Planner		N/A	2	MURP/BA	AICP
Malachi Krishok	Planner		N/A	9	MURP//BA	
Amy Yamakawa	Graphic Designer		N/A	35	BS	

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

KEY PERSONNEL PROFESSIONAL QUALIFICATIONS						
KEY PERSONNEL	PROJECT ROLE	ACTIVE PROFESSIONAL REGISTRATION		NO. OF YEARS EXPERIENCE	EDUCATION	OTHER CERTIFICATIONS / TRAINING
		STATE	DISCIPLINE			
CIVIL AND ENVIRONMENTAL DESIGN						
Jay Stone, PE, BCEE, CFM, CPESC, CPSWQ, CESCPP, CWPPP, ESCPC, LEED AP	Principal Civil Engineer	HI	Civil	31	BS/BA	BCEE, CFM, CPSWQ, ESCPC, CPESC, CWPPP, CESCPP, LEED AP
Michael S. Nishimura, PE, ESCPC, CWPPP, CESCPP, LEED AP	Senior Project Manager	HI/CA/GU/CNMI	Civil	26	BS	ESCPC, CWPPP, CESCPP, LEED AP
Lindsay Nakashima, PE, CWPPP, CESCPP, MBA	Senior Project Manager	HI	Civil	22	MBA/BS	CWPPP, CESCPP, MBA
David Bills, PE, CWPPP	Senior Project Manager	HI	Civil	48	MS/BS	CWPPP
Cary Kondo, PE, CWPPP, CESCPP	Senior Project Manager	HI	Civil	48	MS/BS	CWPPP, CESCPP
Nicolo “Nick” Orense, PE, CWPPP, CESCPP, LEED AP	Senior Project Manager	HI/CA	Civil	40	BS	CWPPP, CESCPP, LEED AP
Trina Onuma, PE, CWPPP, LEED AP, CESCPP, MBA	Senior Project Manager	HI	Civil	41	MBA/BS	CWPPP, CESCPP, LEED AP
Jeremy Michelson, PE, PMP, CPESC, CWPPP, CESCPP	Senior Project Manager	HI	Civil	28	BS	PMP, CPESC, CWPPPP, CESCPP
Eric Tamashiro PE, CWPPP, ESCPC, CESCPP, LEED AP	Senior Project Manager	HI	Civil	30	BS	CWPPP, ESCPC, CESCPP, LEED AP
Harold Pascua, PE, CWPPP, CESCPP	Project Manager	HI	Civil	22	BS	CWPPP, CESCPP
Kristen Yoshida, PE, CPESC, CPSWQ, CWPPP, CESCPP	Project Manager	HI	Civil	12	MS/BS	CPESC, CPSWQ, CWPPP, CESCPP
Karen Bates, PE, CWPPP, CESCPP	Project Manager	HI	Civil	29	BS	CWPPP, CESCPP
Justin Privett, PE, CWPPP, CESCPP	Senior Civil Engineer	HI	Civil	18	BS	CWPPP, CESCPP
Patricia Cabus, PE, CWPPP, CESCPP	Civil Engineer	HI	Civil	6	BS	CWPPP, CESCPP
Albert Rivera	CADD Manager/UAS Pilot			33	AS	UAS Remote Pilot Certified
ELECTRICAL DESIGN						
Brian Itozaki, PE, LEED AP	Electrical Engineering Senior Manager	HI	Electrical	33	BS	LEED AP
Nicholas Enomoto	Electrical Engineer		N/A	19	BS	
Jeffrey Basallo	Electrical Engineer		N/A	18	BS	
Albert Amin, PE	Electrical Engineer	NY	Electrical	8	BS	
Kiyoshi Hashida	Electrical Engineer			2	BS	
Alika Guillermo	Electrical CAD Operator		N/A	2	BA	
Alan Cardona	Electrical CAD Operator		N/A	25	BA	
Kacie Nakamura	Electrical CAD Operator		N/A	9	BS	

H. ADDITIONAL INFORMATION

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KEY PERSONNEL PROFESSIONAL QUALIFICATIONS						
KEY PERSONNEL	PROJECT ROLE	ACTIVE PROFESSIONAL REGISTRATION		NO. OF YEARS EXPERIENCE	EDUCATION	OTHER CERTIFICATIONS / TRAINING
		STATE	DISCIPLINE			
CONSTRUCTION MANAGEMENT						
*Michael Lum, PE	Project Manager	HI	Civil	36	BS	HDOT Certified Soils & Aggregates, & Bituminous Unit, ACI Concrete Field Testing Technician - Grade I (ACI - Grade I)
Todd Niemann, CCM	Construction Manager			40	BS	Certified Construction Manager
Eric Iwamoto, PE, CCM, LEED AP	Construction Manager	HI	Civil	35	BS	Certified Construction Manager, LEED AP
Dan Keeley, CCM, CISEC	Construction Manager		N/A	25	BS	Certified Construction Manager, CISEC
Donald “Tony” Jones, PE, PMP, CISEC	Construction Manager	HI	Civil	29	ME/BS	PMP, CISEC
Benn Torigoe, CCM, LEED AP	Construction Manager		N/A	30	BS	Certified Construction Manager, LEED AP
Jeffrey Martina, CCM	Construction Manager		N/A	16	BS	Certified Construction Manager
*Brandon Bautista, CISEC	Project Engineer		N/A	11	BS	CISEC
*Levi Anderson	Project Engineer		N/A	9	BS	HDOT Certified for Bituminous Unit, ACI-Grade 1
Robertson “Phil” Goodman	Process Industrial Controls Specialist		N/A	50		
Jordan Vande Brake	Process Industrial Controls Specialist		N/A	15	AS	
Jeffrey Chuck, EIT, CCM, PSP, LEED AP	Project Controls / Scheduling		N/A	28	BS	Certified Construction Manager, AACE International Planning and Scheduling Professional
Michelle Perez	Project Controls / Scheduling		N/A	17	BA	
*Chad Carter	Inspector		N/A	19	AS	HDOT Certified for Bituminous Unit, ACI - Grade 1, ICC Reinforced Concrete Special Inspector
*Derk Hunter	Project / Special Inspector		N/A	35	BS	HDOT Certified for Bituminous, and Soils and Aggregates Unit, ACI-Grade 1
*Marc Maloney, CCM	Project / Special Inspector		N/A	13	AS	HDOT Certified for Bituminous, and Soils and Aggregates Unit, ACI-Grade 1
*Joanne Haia	Inspector		N/A	20		HDOT Certified for Bituminous, and Soils and Aggregates Unit
*Cory Aukai	Inspector			6		

***Hawaii Island Resident**

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4. A LIST OF RECENT PROJECTS AND THE NAMES OF UP TO FIVE CLIENTS WHO MAY BE CONTACTED, INCLUDING AT LEAST TWO FOR WHOM SERVICES WERE RENDERED DURING THE PRECEDING YEAR.

REFERENCES	RECENT PROJECTS
Mr. Randall Wakumoto, Branch Head City and County of Honolulu, Department of Facility Maintenance Telephone No. (808) 768-3242	NPDES MS4 Retrofit Structural BMP Improvements Program, Honolulu, HI (ongoing)
Mr. Alexander Kalawe, Project Manager County of Hawaii, Dept. of Public Works Telephone No. (808) 961-8321	Engineering Services Waikoloa Road / Paniolo Drive Roundabout, Waikoloa, HI (ongoing)
Mr. Paul Christensen, Project Manager City and County of Honolulu, Department of Design and Construction Telephone No. (808) 768-8800	Environmental Support Facilities Honouliuli Wastewater Treatment Plant, Ewa, HI (2021)
Mr. William H. Makanui, HMP Engineer State of Hawaii, Department of Transportation, Harbors Telephone No. (808) 586-2525	State Department of Transportation - Harbors (DOT-H), Kapalama Container Terminal Wharf and Dredging, Honolulu, HI (Ongoing)
Mr. Neil Hasegawa, Design Manager NAVFACSCOM Hawaii (808) 475-2258	FY21 Special Project RM 17-1635 Repair Roads and Erosion Control (2021)

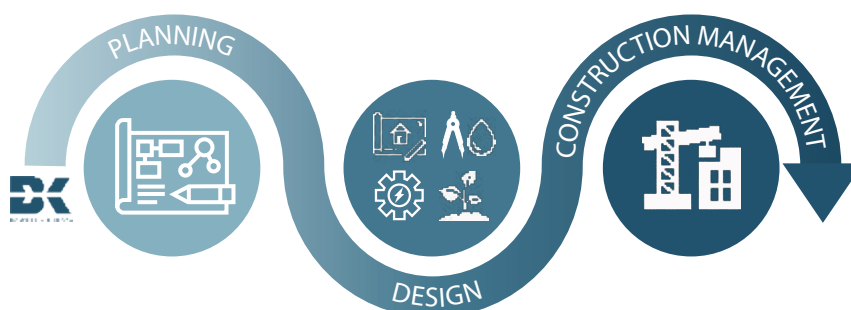
5. ANY PROMOTIONAL OR DESCRIPTIVE LITERATURE WHICH THE FIRM DESIRES TO SUBMIT.**Why B+K?**

Bowers + Kubota takes pride in being forward-looking and having innovative experts and leaders who perform at their best. We help our clients succeed through collaboration, careful cost management, and high levels of quality and value maintained on every project, large or small. By closely listening to our clients and understanding their needs, we deliver customized solutions in a flexible and responsive manner. We respect our people, our partners, and our planet. Our work is rooted in the values of trust, accountability, and humility.

Advantages of Using B+K Services

The Bowers + Kubota team offers the County of Hawaii a complete spectrum of qualified staff who can provide professional expertise to deliver the full suite of project management, planning, funding, environmental, permitting, design, and construction management services needed to take a project from concept to construction. Our experience of providing cradle to grave services allows our project managers to have a comprehensive background in concerns, risks, and opportunities that typically arise in project delivery.

The keys to a successful program or project include four principles that form the foundation of our approach to providing services for the County:



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- **Cooperation** - The B+K Team will integrate with the County of Hawaii to create an atmosphere of teamwork and leadership for successfully meeting the goals of the program. This “**TEAM** - Together Everyone Achieves More” approach and attitude will extend to the project managers and design team will make the County and all the other project team members using open communication in a spirit of partnership and cooperation from start to finish.
- **Anticipation** - Our Team philosophy is to always look ahead - to identify potential program, project or design problems early and resolve them before they occur. We use our project management tools, such as Microsoft Project, to keep things on track, pinpoint opportunities to save time and money, and work aggressively to achieve the County’s goals.
- **Communication** - Communication is the lifeblood of any program. We will keep the County informed with detailed, reliable information to make the best decisions possible. We establish a system of communication and formal reporting that will ensure important facts and realistic choices are conveyed to the County in a clear and timely manner.
- **Commitment to Excellence** - B+K is extremely proud of our past accomplishments and commitment to excellence in providing quality services to the County of Hawaii. We have a proven track record of adapting to our clients’ needs and performing projects successfully. B+K will remain committed to providing **QUALITY** and **BEST VALUE** services throughout all contracts we work on for the County.

Project Management

Successful projects are executed as a system, not as an ongoing series of tasks. B+K project managers use a workflow of four primary steps as part of our project management system.



Within our Project Management Workflow, some of our key tasks are:

Scheduling: B+K uses Deltek as its accounting system that provides updated information concerning scheduling, reporting, and control. Each project manager rigorously controls and monitors their schedule. The focus on scheduling events and performance provides team members with information detailing resource and time capacity, experience, workload allocation, cost trade-off relationships, and delivery of committed resources.

Quality Management: Through quality management, we actively implement ways to manage risk, deliver high-quality products, and improve financial success. All quality criteria will be framed in concrete, measurable terms: time, cost and product specifications, and performance levels. Quality control procedures are a discipline implemented by our project teams featuring reviews to determine if the proposed solutions will work and checking work products for accuracy and correctness.

Budget and Scope Tracking: The Deltek system, which is linked to the project work plan, generates all necessary financial and accounting reports for monitoring expenditures and controlling costs for individual scope elements and the overall project.

Communication: Our approach to managing interactions begins with the development of a clear communications plan. The project will start off with agreed-upon rules or protocols around which information can be exchanged and modified. With the Project Manager serving as the main communications point of contact, the plan ensures that the needs of all members of the team (including the client) are met.

Risk and Change Management: Managing risk and change is crucial to project success. Our approach seeks to engage City staff throughout the project to minimize the occurrence and effects of change. Our approach to manage risk is to address it from the start of the project. These approaches foster technology and knowledge transfer and builds ownership in the project and ultimate products.

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FIRM SERVICES



Architecture

B+K architecture group provides building design solutions based on the client needs through active listening and innovative design approach. Our architects and interior designers can tackle any building design projects, ranging from new construction to renovations and repair and maintenance (R&M). Having worked on many projects for the public sector clients, our architecture group understands the procurement processes and permitting requirements, including exemptions, that allow us to better strategize on project delivery based on realistic schedule and bid control to meet the client's goal.

Breadth and depth of the architecture team's experience and knowledge allow us to tailor our services to provide solutions to the client's challenges. For example, we provide the above services under a single contract with the Department of Education (DOE). The DOE has initiated their Facility Asset Management, whereby prequalified designers, project coordinators, and contractors provide their services to address the needs of the DOE. B+K architecture group provides design services under the Statewide Architectural Design Services contract. We excel in taking a long list of projects statewide, helping the DOE prioritize their importance, and creating a team and project delivery that can produce designs in sync with the construction funding and school schedule.

The project types with the DOE contract includes new construction utilizing modular construction, renovation of existing facilities to meet new program requirements, and various R&M projects to extend the life of the existing asset. We normally start these projects with a condition assessment, due diligence, code analysis, and/or programming based on the client goals. Once the scope is identified and agreed upon, we proceed to conceptual design to illustrate our intent for the client review and confirmation. The design intent will be documented via plans and specs through the client required milestones. These documents will be finalized and prepared for permitting and bidding purposes.

Our expertise in local codes and regulations allow us to advise the DOE on required permits and any exemptions allowed to streamline the permitting process. We support the client leading up to and during the procurement processes with delivering the project for bidding in timely manner as well as being responsive to any bidder Request for Information.

The example above exemplified the level of architectural design service we promote. We are not limited to certain aspects of the project delivery. Our architecture group is able to provide wide range of services at any stage of the project life. Having a team with design acumen, technical expertise, and comprehensive understanding of project delivery provide a partner to our client.

Our architecture group brings innovations from the major national conferences, such as World of Modular, American Correction Association, and American Society of Healthcare Engineers. By investing in our people, we continue to educate ourselves with the latest trends and concepts that may be applicable to our home state. For example, some of the recent conferences allowed us to help the DOE reinvent their classroom replacement by utilizing modular construction for more rapid, yet controlled, deployment.

ARCHITECTURAL CAPABILITIES

- BUILDING/INTERIOR DESIGN
- BUILDING RENOVATION
- LANDSCAPE ARCHITECTURE
- VALUE ENGINEERING
- SPACE PLANNING
- BUILDING INFORMATION MODELING (BIM)
- CONSTRUCTION DOCUMENTATION/ADMIN
- BUDGET AND COST ESTIMATION
- PROJECT SPECIFICATIONS
- DESIGN-BUILD
- BUILDING ASSESSMENTS
- DESIGN MANAGEMENT
- CAD

Civil and Environmental Engineering

B+K provides a full suite of civil and environmental engineering services covering all aspects of site development. We group these services into four main business lines:

- General Site Design
- Roadways and Highways
- Utilities
- Specialty Services

B+K's civil and environmental engineering department works for multiple county, state, and federal agencies and for a vast array of private clients in the hospitality, healthcare, affordable housing, and renewable energy sectors. We also work and have worked outside Hawaii in locales such as Japan, Korea, Guam, Singapore, Diego Garcia, Palau, American Samoa, Guam, and Commonwealth of Marianas Islands. We leverage this breadth and depth of in-house expertise to tackle routine and extremely challenging projects with creative and innovative solutions. We will bring this same creativity, innovation, and technical expertise to your projects.

General Site Design

Civil and engineering is a very broad field. B+K rarely shies away from difficult or challenging projects. Our strength is the diversity of our experience and the diversity of our staff to tailor solutions to our clients' needs. Under our general site design services, we typically help our clients through the pre-planning and planning process to develop a site through detailed design, permits and regulatory approvals, public involvement and outreach, and contract administration. Earthwork is typically one of the largest costs for site development. We use Civil3D by AutoDesk to optimize the layout and grading of a site to minimize our client's costs. For public agencies, this optimization results in reducing the financial burden on our already struggling communities. For our private clients, this effort means increased profit. Under this services sector we offer:

- Due diligence studies
- Property condition assessments
- Mass grading and fine grading design
- Earthwork analysis
- Site layout design
- Erosion and sediment control best management practices
- Demolition design
- Infrastructure master planning
- Infrastructure condition assessments
- Permits and regulatory approvals, including NPDES permits, drain connection licenses, wastewater connection permits, and water connection approvals

Road and Highway Design

B+K routinely provides roadway as part of our full range of engineering design services for infrastructure and facility projects. These services include design of major and local roadways, design of multimodal facilities, traffic calming,

CIVIL & ENVIRONMENTAL ENGINEERING CAPABILITIES

- DUE DILIGENCE STUDIES AND PROPERTY CONDITION ASSESSMENTS
- INFRASTRUCTURE PLANNING AND DESIGN
- SITE DEVELOPMENT
- GRADING
- UTILITY DESIGN (WATER, WASTEWATER, AND DRAINAGE)
- ROADWAYS AND PARKING
- ADA DESIGN AND BARRIER REMOVAL
- BICYCLE LANES
- COMPLETE STREETS / GREEN STREETS
- LOW IMPACT DEVELOPMENT/SUSTAINABLE SITE DESIGN
- OPINIONS OF PROBABLE CONSTRUCTION COSTS
- BIDDING SERVICES
- CONTRACT ADMINISTRATION
- PLAN CHECKING/PEER REVIEW
- PERMITTING SERVICES, INCLUDING NPDES AND UIC PERMITS
- SPILL PREVENTION, CONTROL, AND COUNTERMEASURES (SPCC) PLANS
- ENVIRONMENTAL COMPLIANCE AND MANAGEMENT SERVICES
- WATER QUALITY (STORMWATER AND GROUNDWATER) AND WATER RESOURCES ENGINEERING
- WATER TREATMENT AND STORAGE
- WASTEWATER TREATMENT, INCLUDING INDIVIDUAL WASTEWATER SYSTEMS
- SOLID WASTE STUDIES
- UNCREWED AERIAL SYSTEM (DRONE) SURVEYS
- AIRFIELD PROJECTS
- ANTITERRORISM AND PHYSICAL SECURITY

pavement design, and drainage facilities. Our experienced professionals are especially adept at developing layout solutions that minimize environmental impact, reduce required earthwork, take advantage of natural terrain features, adapt sites to natural drainage patterns, adhere to accessibility requirements, and provide safe and efficient facilities. Our road and highway design services include:

- Vulnerability road user assessments
- Utility capacity and pavement condition assessments
- Complete streets
- Green streets
- Traffic calming devices and methods
- Intersections
- One and two-lane roundabouts
- Bicycle lanes and paths
- County, State Highways, and federal road design
- Entrance control facilities for US Department of Defense installations
- Compliance with Federal Highways Administration requirements
- Grant funding opportunities

Utilities Design

The One Water concept motivates and inspires our B+K's civil and environmental engineering practice. All forms of water are a resource for our communities: drinking water, wastewater, stormwater, irrigation water, groundwater, surface water, brackish water, seawater, reclaimed water and reuse water. Our utilities designers understand the precious nature of water and routinely implement sustainable practices to ensure that a project protects and uses water responsibly. Within our civil and environmental engineering practice, we have a core team of water experts with a diverse range of experience to address any projects water needs, including water distribution and treatment, wastewater collection and treatment, wastewater reclamation, stormwater management and treatment, and drainage design. We offer the following expertise:

- Infrastructure capacity studies
- Water mains, laterals, and site fire protection
- Water storage facilities
- Water catchment systems
- Water wells
- New drinking water source reports
- Agriculture irrigation systems and storage
- Gravity sewer mains, laterals, and manholes
- Low-pressure sewer systems
- Wastewater force mains
- Pump stations
- Granular activated carbon treatment systems
- Desalination systems
- Pretreatment and primary and secondary wastewater treatment
- Wastewater reclamation and reuse
- Biosolids handling management and treatment
- Septage receiving facilities
- Process design, instrumentation, and controls

H. ADDITIONAL INFORMATION

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- Wastewater treatment system optimization studies
- Operation and maintenance manuals
- Training of water and wastewater operators

One aspect of our civil and environmental practice that sets us apart from other firms is the high number of personnel that obtain third-party certifications. We have six engineers that are certified professionals in erosion and sediment control; two of whom are also certified professionals in stormwater quality. These additional certifications demonstrate our staff's unique value-added expertise in erosion and sediment control and stormwater quality. In addition, each of our licensed civil engineers is a Certified Water Pollution Plan Preparer (CWPPP) and a Certified Erosion And Sediment Control Plan Preparer (CESCPP). All our non-licensed civil engineers are Erosion and Sediment Control Plan Coordinators (ESCPCs) and some of our licensed civil engineers are also ESCPCs. We are committed to being experts in erosion and sediment control and stormwater quality, management, and treatment.

Electrical Engineering

B+K electrical group has been providing quality electrical designs in the State of Hawaii for over 30 years, formally known as Ho & Okita and H&O-III, before merging with Bowers + Kubota. With projects ranging from renovations to

ELECTRICAL ENGINEERING CAPABILITIES

- ELECTRICAL ENGINEERING DESIGN
- TELECOMMUNICATIONS ENGINEERING DESIGN
- ILLUMINATION ENGINEERING DESIGN
- FIRE ALARM DESIGN
- UTILITY COMPANY COORDINATION
- COST ESTIMATING/COST ANALYSIS
- CONSTRUCTION DOCUMENTATION
- BIDDING AND PERMITTING SERVICES
- DUE DILIGENCE/EXISTING CONDITIONS SURVEY
- CONTRACT ADMINISTRATION

new buildings and covering services, site distribution, electrical, lighting, fire alarm, telecom infrastructure work, we've worked with all sectors of the construction industry, including commercial, city, county, state and federal branches. Our longevity is based on our work ethic. All projects are approached with three goals: Providing a design that can be built, providing a design that is on time and providing a design that is on budget.

This work ethic can be seen in our ongoing project with the State Department of Education (DOE) to design fire alarm systems for various school campuses. Our services include assessing and the setting the priority of projects, setting the standards for all DOE fire alarm projects, designing the bulk of all yearly fire alarm projects

and reviewing the designs from other engineering offices. Our designs are based on extensive site investigations. All site conditions are examined to produce a design that can be built with minimal to no field adjustments required. The design process involves heavy project scheduling and coordination to meet all deadlines. Throughout the design process, the cost is evaluated with revisions being made to keep the project in budget.

The result of our work ethic is being able to produce more completed fire alarm system designs for the DOE than all other consultants combined. Because of our attention to detail, knowledge of local and national code requirements, and our ability to solve all encountered problems, the DOE turns to our office for advice on all fire alarm related issues.

The example above illustrates the level of commitment our electrical group provides to our clients. We approach each project with the same level of commitment. We are continually learning and striving to improve our quality of work so we can provide our clients with the highest quality designs and technical support.

Construction Management

Because of B+K's extensive experience as a Construction Manager on civil related construction projects, we bring experience and knowledge to construction projects at existing and new facilities. These projects require significant coordination and frequent communication and collaboration with the City, facility users, and community to ensure that impact to operations and the surrounding environment are minimized as much as possible. For example, the ongoing construction work for the **Salt Lake Boulevard Widening, Phase 3** project for the City and County of Honolulu, Department of Transportation Services (DTS) includes removal of trees, demolition of existing pavement, driveways, and other homeowner encroachments located within

CONSTRUCTION MANAGEMENT CAPABILITIES

- PROJECT SCHEDULING AND TRACKING
- COST CONTROL & ESTIMATING
- CLAIM ANALYSIS AND AVOIDANCE
- QUALITY CONTROL
- CONSTRUCTABILITY REVIEWS
- VALUE ENGINEERING
- CONSTRUCTION BID MANAGEMENT AND EVALUATION
- CONSTRUCTION PLANNING AND COORDINATION
- CONSTRUCTION INSPECTION
- PROGRESS REPORTS
- PROJECT COMMISSIONING
- PROJECT DOCUMENTATION

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the City right-of-way, grading and paving work, striping installation, utility relocations and installations, the construction of retaining (soil nail and concrete) walls, shotcrete lining for erosion protection and drainage swales, and concrete work for the installation of concrete curbs, gutters, sidewalks, curb ramps, and bulb-outs. This project requires extensive communication and collaboration with various agencies including the City DTS and adjacent property owners. In addition, construction management services were provided for the City's Department of Facility Maintenance **Ala Wai Golf Course Driving Range Improvements** project which included mass grading of the entire driving range, a new concrete cart path, new pre-wash station with fencing, and a new irrigation system. During excavation operations, archaeological findings (iwi) were discovered. However, through close coordination with the archaeologist and local agencies, B+K was able to work around the findings to mitigate any delays to the project.

Landscape Architecture

LANDSCAPE ARCHITECTURE CAPABILITIES

- LANDSCAPE PLANNING AND DESIGN
- EXTERIOR HARDSCAPE
- PLANTING AND IRRIGATION
- LANDSCAPE MAINTENANCE AND REMEDIAL PROGRAMMING
- LEED AND LOW IMPACT DEVELOPMENT STRATEGIES
- STREETSCAPES
- URBAN DESIGN

The B+K landscape architecture studio specializes in hardscape, planting, irrigation and water management, site lighting, low-impact and sustainable design, project theming, site planning, landscape management and restoration, comprehensively improving the human experience of built and natural environments. Our studio group has been providing landscape architecture design services for over 30 years, locally, statewide, and internationally for private and public clients. Our project experience and expertise include campus and universities, parks, resort hotels, hospitals, residential communities, and US Department of Defense installations.

Born out of hospitality design, our team brings an “experience-oriented design” philosophy to every project, ensuring that aesthetics, functionality, and sustainability are priorities. Our diverse team of physical planners and landscape architects bring a sensitivity to merging architecture and site engineering. Cultural sensitivity, design, and authentic indigenous sense of place are also key components of our design practice. We focus on doing the right thing and making sure that the design is appropriate and vetted. We have fostered relationships with plant nurseries on each island to ensure availability of planting palettes for our designs. We also regularly attend training and workshops and meet with equipment manufacturers and distributors to keep abreast of current design trends and best practices, maintaining relationships with local and national suppliers. Our current capabilities include:

- Landscape master planning
- Landscape material surveys
- Planting design (native, cultural, and adaptive)
- Irrigation master planning and design
- Irrigation system audits
- Playground design
- Landscape lighting design
- Hardscape design
- Low-voltage lighting design
- Pool and water feature design

Planning

B+K's planning group has extensive experience in Federal and State environmental review and permitting processes including preparation of State of Hawaii, Chapter 343 and National Environmental Policy Act environmental assessments (EAs) and environmental impact statements (EISs), agency consultation, discretionary land use permits (SMA, Conservation District, Zoning and Special Use) and public involvement programs. Our planners develop practical and flexible approaches personalized to each client and project. B+K understands the importance of developing these documents with the end in mind, meaning that they must be useful to designers, contractors, and ultimately the facility owners and operators.

Our planners maintain close working relationships with federal, state and county resource agencies that implement the requirements of Hawaii Revised Statutes and local zoning codes.

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Demonstrated capability includes:

- Federal and State Environmental Assessment and Impact Statements (HDOT Harbors Pier 40 Improvements EIS, Kealahou State Park Master Plan and EIS)
- State and County Discretionary Permitting (Kealahou Master Plan Shoreline Permits, Ke Ala Pūpūkea Path Improvements)
- Federal Consultations for Section 106 Historic Preservation, Section 4 (f), Section 7 Endangered Species Act, Section 404, Section 6 (f), HRS 6E, HRS 343 and Act 50 (Waiale Road Improvements)
- Public Engagement Plans and Facilitation (Maui MPO Public Participation Plan, House Maui Regional Housing Plans)
- Tools for managing and visualizing information using Geographic Information Systems and Graphic Design (Vulnerable Roadway Users Safety Assessment, Kaunualii Highway Feasibility Assessment)

COMMUNITY PLANNING CAPABILITIES

- MASTER PLANNING
- TRANSPORTATION PLANNING
- INFRASTRUCTURE AND FACILITIES PLANNING
- ENTITLEMENTS AND LAND USE PERMITS
- FEDERAL (NEPA) AND STATE (HEPA) ENVIRONMENTAL COMPLIANCE (EA/EIS)
- GRANT FUNDING ASSISTANCE
- ALTERNATIVES EVALUATION AND SITE ANALYSIS
- COMMUNITY AND REGIONAL PLANS
- COMMUNITY OUTREACH AND FACILITATION
- CLIMATE ADAPTATION AND RESILIENCE PLANNING
- FEASIBILITY AND DUE DILIGENCE
- HOUSING, MARKET, AND ECONOMIC STUDIES
- TECHNICAL ANALYSIS AND EVALUATION
- GIS AND GEOSPATIAL ANALYSIS
- LAND USE ENTITLEMENTS
- ENVIRONMENTAL IMPACT STATEMENT

Our planners live and work in Hawaii, know how to meet the local communities needs for public information and involvement, and regularly deliver successful outcomes for our clients.

Community Planning

B+K's planning group recently completed two community planning efforts in Maui. The South Maui Community Plan update consisted of future studies on housing, climate change, and culture. Demographic and population forecasts were used to identify South Maui infrastructure and economic needs for the year 2040. Regional Housing Plans for West, South and Central Maui were completed in 2023 for the Hawaii Community Foundation's House Maui program.

Specialty Services

Another aspect of our civil and environmental engineering practice that sets up apart from other firms is our specialty services that few civil engineering firms offer. These services include sanitary surveys, affordable housing, resilient design, and environmental risk management.

Sanitary surveys review the sources, treatment systems, distribution systems, finished water storage, pump stations, monitoring and reporting, management and operation, and operator certification compliance of public water systems to determine their ability to deliver safe drinking water to customers. This review is comprehensive and results in a report that identifies deficiencies in the operation, management, and physical assets of the water system that threaten public health. B+K has one of the few certified sanitary surveyors in Hawaii with practical field experience. In addition, our sanitary surveyor has evaluated hundreds of sources, wells, storage tanks, pump stations, treatments systems, and backflow prevention devices on Oahu, Kauai, Maui, and Hawaii Island and in Singapore, Diego Garcia, South Korea, and Japan. *We leverage our expertise in sanitary surveys into the design of water systems to minimize the potential for contamination, improve upon constructability, and address ease of operation and maintenance.*

Affordable Housing: B+K's civil engineers have years of experience designing affordable and workforce housing developments. We understand the needs of developers to balance affordable housing requirements and revenue. We also understand the needs of communities to provide quality housing to all members of our society regardless of their particular economic situation. To achieve this balance, we work with the developer to meet the requirements of their 201H application or similar county program while maximizing the number of units for each income tier. Grading and parking costs are typically large portions of a development budget. We optimize the grading in Civil3D to reduce earthwork costs. Optimal parking needs are achieved by thorough and creative layout analysis.

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Resilient Design: Addressing climate change through adaptive design is integrated into our daily work to manage risk and strengthen transportation system resilience and operations via short-, mid-, and long-term solutions. For an upcoming HDOT project on Kauai, we are exploring shoreline solutions by conducting king tide flood frequency, sea level rise, and wave inundation modeling. *In our sea level rise study with Hilton Hawaiian Village, we evaluated the impacts of sea level rise on the hotel property's utilities, roads, and access and developed mitigation strategies with opinions of probable construction costs. In our resiliency study for Maalaea Village, we addressed the impacts to road and utilities infrastructure and established a resiliency decision framework for the mauka relocation of buildings and associated infrastructure.*

Dredging: Our firm has a long history of dredging design. From the Ala Wai Canal Maintenance Dredging project and Hilton Hawaiian Village Lagoon Maintenance Dredging in the early to mid-2000s to the upcoming Kahawainui Stream Maintenance Dredging for the City and County of Honolulu and the recent new Kapalama Container Terminal Wharf and Dredging, we understand the complex biological, environmental, regulatory, and disposal issues surrounding maintenance and capital dredging. Because we are a multidisciplinary firm with both planning, permitting, and engineering in-house, we can address these challenging issues directly and navigate the complex legal and regulatory hurdles to minimize risk to our clients.

Permit Expertise and Environmental Risk Management: Many projects require a complex set of environmental permits and approvals, such as U.S. Army Corps of Engineers (USACE) Section 10, 404, and 408 permits; State Department of Health Section 401 Water Quality Certifications (WQC); National Pollutant Discharge Elimination System (NPDES) permits; County Special Management Area (SMA) permits; and State Historic Preservation Division (SHPD) Hawaii Revised Statutes (HRS) Chapter 6E concurrence. B+K has the breadth and depth of experience to navigate complex regulatory processes and successfully obtain the required permits and approvals. Because our firm has completed multiple projects in each county over 40 years in business, we are familiar with the nuanced differences in the regulatory requirements throughout the state. This familiarity allows us to negotiate permit conditions that limit our client's risks and obligations to the maximum extent practicable.

Our approach to ERM employs the following process: avoid, minimize, and then mitigate. The first step to our process is to avoid environmental impacts (water quality, biological, noise, traffic, etc.) to the maximum extent practicable. Designs will be developed that avoid environmental impacts while still meeting the purpose, need, and schedule of the project. Scheduling construction outside of key breeding seasons for avian and aquatic species is one method to avoid environmental impacts. By avoiding environmental impacts, the permit process can be streamlined.

The next step in our ERM process is to minimize unavoidable impacts and reduce any permanent losses to the environment. Minimization measures could include reducing the design footprint to the minimum required, incorporation of temporary construction and permanent post-construction BMPs like silt curtains or embankment stabilization, permanent or temporary relocation of biological resources like artificial nest burrows for protected avian species, and inclusion of biological monitoring during construction.

For any resource loss that cannot be avoided or minimized, the final step of our ERM process is mitigation. One important aspect of any proposed mitigation is to limit our client's financial commitment. To achieve this objective, we will endeavor to avoid compensatory mitigation requirements for the project. Compensatory mitigation is a specific requirement for USACE permits under 33 Code of Federal Regulations (CFR) 332 and requires adaptive management, long-term management, performance criteria, monitoring, and financial assurances. Because of our familiarity with key environmental regulations and our experience, we develop and implement strategies and tactics to successfully argue against compensatory mitigation under 33CFR332 and instead propose mitigation under different regulations that do not have such stringent requirements. An example of our expertise is the **New Kapalama Container Terminal (KCT) Wharf and Dredging** project, where we avoided compensatory mitigation as a permit condition. Offsets to unavoidable losses of biological resources under the KCT project were addressed under the Magnuson-Stevens Fishery and Conservation Management Act.

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

COMMITMENT TO EXCELLENCE

B+K is extremely proud of our current and past accomplishments and commitment to excellence in providing quality services to the County of Hawaii. We have a proven track record of adapting to our client's needs and performing successfully on projects. B+K will remain committed to providing **QUALITY** and **BEST VALUE** services for the County. Our successful professional service performance has resulted in the following:

Our **Commitment to Excellence** resulted in B+K being awarded numerous quality awards for professional services.

- Ranked in ENR Magazine's 2023 **Top 50 Construction Management Firms, #35 Nationally.**
- Ranked in Architectural Record Magazine's **Top 300 U.S. Architecture Firms of 2023, #283 Nationally.**
- Awarded in 2008 – 2024 as one of Hawaii's "**Best Places to Work.**" (#1 Best Place to Work in 2009, 2011 – 2013, 2015, 2022-2024)
- 2010 – 2023 Zweig Group's **Best Firm to Work For** (1st Place National Award in 2011 – 2015, 2018 - 2021)
- Received Satisfied/Superior rating on 100% of all client evaluations over the past 22 years (available upon request).

One of the best measurements of B+K's performance is the owner's satisfaction. Please refer to **Appendix A** for a list of our awards and a sample of our evaluations and comments.

I. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

31. SIGNATURE



32. DATE

June 28, 2024

33. NAME AND TITLE

Jay Stone, PE, BCEE, CFM, CPESC, CPSWQ, CWPPP, ESCPC, CESCPC, LEED AP, Principal-In-Charge

ARCHITECT-ENGINEER QUALIFICATIONS				1. SOLICITATION NUMBER (If any) TA.5) Community Planning (Public Transit Marketing and Community Outreach)		
PART II – GENERAL QUALIFICATIONS (If a firm has branch offices, complete for each specific branch office seeking work.)						
2a. FIRM (OR BRANCH OFFICE) NAME Bowers + Kubota Consulting, Inc.				3. YEAR ESTABLISHED 2008	4. DUNS NUMBER 03-929-9763	
2b. STREET 94-408 Akoki Street, Suite 201-A				5. OWNERSHIP a. TYPE Corporation		
2c. CITY Waipahu	2d. STATE HI	2e. ZIP CODE 96797		b. SMALL BUSINESS STATUS		
6a. POINT OF CONTACT NAME AND TITLE Jay Stone, PE, BCEE, CFM, CPESC, CPSWQ, CWPPP, ESCPC, CESCPC, LEED AP Principal-in-Charge				7. NAME OF FIRM (IF BLOCK 2A IS A BRANCH OFFICE)		
6b. TELEPHONE NUMBER 808 836-7787		6c. E-MAIL ADDRESS jstone@bowersandkubota.com				
8a. FORMER FIRM NAME(S) (IF ANY) KFC Airport, Inc.				8b. YR. ESTABLISHED 1980	8c. DUNS NUMBER 03-929-9763	
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			
02	Administrative	41		A05	Airports; Navais; Airport Lighting; Aircraft Fueling	5
06	Architects	20		A06	Airports; Terminals & Hangars; Freight Handling	6
08	CADD Technician	7		C10	Commercial Building (low rise); Shopping Centers	4
12	Civil Engineers	26		C15	Construction Management	8
15	Construction Inspector	38		E02	Educational Facilities; Classrooms	4
16	Construction Managers	27		E03	Electrical Studies and Design	4
18	Cost Engineer/Estimator	2		E09	Environmental Impact Studies;...	5
21	Electrical Engineers	4		E11	Environmental Planning	4
23	Environmental Engineer	5		H07	Highways; Streets; Airfield Paving; Parking Lots	6
37	Interior Designer	1		H09	Hospitals & Medical Facilities	6
39	Landscape Architect	6		H11	Housing (Residential, Multi-Family; Apartments; Condominiums)	1
47	Planner	6		L03	Landscape Architecture	4
48	Project Managers	66		P05	Planning (Community; Regional;...)	5
50	Risk Assessor	4		P06	Planning (Site, Installation and Project)	1
51	Safety/Occupational Health Engineer	1		R06	Rehabilitation (Buildings; Structures; Facilities)	3
52	Sanitary Engineer	1		S04	Sewage Collection, Treatment & Disposal	4
53	Schedulers	2		S07	Solid Wastes; Incineration; Landfill	4
58	Technician/Analyst	3		S13	Storm Water Handling & Facilities	4
				T02	Testing & Inspection Services	4
				W02	Water Resources; Hydrology; Ground Water	4
				W03	Water Supply; Treatment and Distribution	4
Total		260				
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. Federal Work	7	1. Less than \$100,000		6. \$2 million to less than \$5 million		
b. Non-Federal Work	9	2. \$100,000 to less than \$250,000		7. \$5 million to less than \$10 million		
		3. \$250,000 to less than \$500,000		8. \$10 million to less than \$25 million		
c. Total Work	9	4. \$500,000 to less than \$1 million		9. \$25 million to less than \$50 million		
		5. \$1 million to less than \$2 million		10. \$50 million or greater		
12. AUTHORIZED REPRESENTATIVE The foregoing is a statement of facts.						
a. SIGNATURE 				b. DATE June 28, 2024		
c. NAME AND TITLE Jay Stone, PE, BCEE, CFM, CPESC, CPSWQ, CWPPP, ESCPC, CESCPC, LEED AP Principal-in-Charge						



APPENDIX A:

AWARDS AND CLIENT EVALUATIONS

APPENDIX B:
PROFESSIONAL LICENSES



BOWERS + KUBOTA

Construction Management • A/E Design • Planning • Project Management