June 30, 2023

Ms. Susan Kunz, Adminstrator
Housing and Community Development
County of Hawaii
1990 Kinoole Street, Suite 102
Hilo, Hawaii 96720

email: ohcd@hawaiicounty.gov

Subject: **Professional Services for the Fiscal Year 2023 - 2024**

Dear Ms. Kunz:

WSP USA Inc. is pleased to submit this letter of interest and SF330 to provide professional services to the Housing and Community Development for:

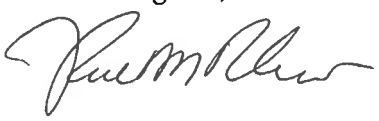
OH.4) Community Planning (Environmental Assessment)

We have been actively involved in a number of projects on the Big Island, such as NELHA Airport Access Roads, Emergency Repair of Hakalau Bridge, EQ 2006 Earthquake Repair Projects, Nani Kailua Road Extension Environmental Assessment (EA), Waimea Circulation Study, Puna Community Development Plan, Replacement of Scotty White Bridge, Emergency Replacement of Kaalaala Bridge, Kuakini Highway Improvements, and various traffic impact studies. This involvement has helped us become familiar with the local issues and needs of the Island of Hawaii.

As a "full-service" engineering firm, we are also capable of providing assistance in any other discipline should it become necessary for the successful completion of a project. Our general practice is to enhance the team with qualified local consultants by subcontracting various specialty services. First preference for subcontractors are those located on the Island of Hawaii.

We look forward to the opportunity to provide planning and engineering services to the Department. If you have any questions or need additional information, please feel free to contact me at (808) 531-7094 or randall.urasaki@wsp.com.

Kind regards,



Randall M. Urasaki
Senior Vice President/Director – Local Business Leader

WSP USA
Suite 2400
1001 Bishop Street
Honolulu, HI 96813

Tel.: +1 808 531-7094
Fax: +1 808 528-2368
wsp.com

PROFESSIONAL SERVICES QUALIFICATIONS

PART I - SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

2. PUBLIC NOTICE DATE	3. PROJECT CATEGORY:
June 1, 2023	OH.4) Community Planning (Environmental Assessment)

B. POINT OF CONTACT

4. NAME AND TITLE		
Randall Urasaki, Senior Vice President, Director – Local Business Leader		
5. NAME OF FIRM		
WSP USA Inc.		
6. TELEPHONE NUMBER	7. FAX NUMBER	8. E-MAIL ADDRESS
(808) 531-7094	(808) 528-2368	Randall.urasaki@wsp.com

In addition to the Form 330, we would like to provide the following information :

1. The name of the firm or person, contact information including email address, the principal place of business, and location of all its offices:

   WSP USA Inc.

   The only office in Hawaii for WSP USA Inc.,

   1001 Bishop Street, Suite 2400
   Honolulu, Hawaii 96813

   Contact Person: Randall Urasaki

   randall.urasaki@wsp.com
2. The age of the firm and its average number of employees over the past five years:

   Founded in 1933, WSP USA Inc. has over 90 years of engineering experience. Our Honolulu office was opened in April 1966 and had an annual average number of 36 employees over the last five years.
3. The education, training, and qualifications of the individual, or if a firm, its key employees in accordance with HRS 103D-304 and/or the professional and scientific occupation series contained in the United States Office of Personnel Management's Qualifications Standards Handbook:

   Please refer to the resumes in the Form 330, Section E and in the appendix.
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:

   Mr. Alexander Leonard Natural Energy Laboratory of Hawaii Authority 808-292-5157
   NELHA Airport Connector Road Project, Kailua-Kona, Hawaii

   Mr. Blaine Kawamura Dept. of Transportation Highways 808-587-2630
   Earthquake Disaster Response and Project Delivery Program, Island of Hawaii, Hawaii

   Mr. Stanley Katsura City & County of Honolulu DDC 808-768-8831
   Program and Project Management for Rehabilitation of Streets, Oahu, Hawaii
   DDC – Environmental Permitting Assistance

   Mr. Henry Kennedy Dept. of Transportation Highways 808-692-7550
   Farrington Highway Intersection Improvements at Nanakuli Avenue and Haleakala Avenue

   Ms. Misako Mimura Dept. of Transportation Highways 808-692-7589
   Hawaii Department of Transportation General Environmental Services IDIQ

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS SERVICE CATEGORY

(Complete one Section E for each key person)

12. NAME	13. TITLE SERVICE PROVIDED	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Randall M. Urasaki, PE, LEED AP BD+C	Principal in Charge (PIC) or Technical Resource / Quality Assurance	36	36

15. FIRM NAME AND LOCATION *(City and State)*

WSP USA Inc., Honolulu, Hawaii

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
M.B.A. B.S., Civil Engineering	Hawaii, Professional Engineer; Hawaii, LEED AP BD+C

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

American Society of Civil Engineers

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: Pali Highway Emergency Repairs and Landslide Mitigation Project, Oahu, Hawaii

(2) YEAR COMPLETED — 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

Project manager for the planning, permitting and design of emergency repairs and permanent repairs to remediate damage caused by landslides above the Old Nuuanu Pali Road and Pali Highway. Permanent repairs include design of an 80-foot long rock shed above the Honolulu-bound lanes to provide additional protection and resiliency to the Highway. The project is funded with State and Federal funding. The firm's scope of work includes obtaining the National Environmental Policy Act (NEPA) Categorical Exclusion, Section 7 ESA coordination, and Section 106 NHPA coordination with a Section 106 MOA. Design work includes slope stabilization, drainage, and communication and electrical ducts. Contract Fee: $1.3 million.

b.

(1) TITLE AND LOCATION *(City and State)*: Kauai Emergency Flood Repairs and Cleanup at Various Locations April 2018, Northern and Eastern Kauai, Island of Kauai, Hawaii

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2018; CONSTRUCTION *(If applicable)*: On-going

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Project manager for environmental permitting and civil design for the emergency repairs to restore the closed portions of Kuhio Highway from Hanalei to Kee. Project scope included plans, specifications, and cost estimate (PS&E), and coordination of NEPA, Section 106, Section 7 environmental clearances, and 404 Permits for over 26 individual repair sites. Contract Fee: $1.1 million.

c.

(1) TITLE AND LOCATION *(City and State)*: County of Hawaii's Hakalau Stream Bridge (Bridge No. 29-3) Emergency Repairs, Hilo, Island of Hawaii, Hawaii

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2017; CONSTRUCTION *(If applicable)*: 2018

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Project manager for environmental permitting and civil design associated with scour repair at the County of Hawaii's Hakalau Stream Bridge. WSP coordinated and prepared documentation for environmental clearances in NHPA Section 106, ESA Section 7, Magnuson-Stevens Fisheries Act, Fish and Wildlife Coordination Act, Section 4(f), CWA Section 404, CWA Section 401, CZM, and NEPA Categorical Exclusions. Contract Fee: $247 thousand.

d.

(1) TITLE AND LOCATION *(City and State)*: Natural Energy Laboratory of Hawaii Authority (NELHA) Airport Connector Road Project, Kailua-Kona, Hawaii

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2019; CONSTRUCTION *(If applicable)*: 2019

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Project manager for the planning, permitting and design of approximately 3 miles (4.8 kilometers) of new roadways within the NELHA property. The project is funded with State and Federal funding. The firm's scope of work includes obtaining the National Environmental Policy Act (NEPA) Categorical Exclusion and Coastal Zone Management Certification. Design work includes roadway alignment, roadway construction, drainage, pavement markings and signing, potable water, salt water, permanent best management practices (BMPs), and communication and electrical ducts.
Contract Fee: $974 thousand.

e.

(1) TITLE AND LOCATION *(City and State)*: Earthquake Disaster Response and Project Delivery Program, Island of Hawaii, Hawaii

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2010; CONSTRUCTION *(If applicable)*: 2011

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Project manager for this emergency project to provide assistance to the HDOT-Hawaii staff after a powerful earthquake and aftershocks caused damages to the HDOT's roadway system island-wide. We provided on-site assistance in management and coordination. We also coordinated and applied for necessary permitting for the various projects.
Contract Value: $770 thousand

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS SERVICE CATEGORY

(Complete one Section E for each key person.)

12. NAME	13. TITLE SERVICE PROVIDED	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Todd S. Nishioka, PE	Environmental Task Leader or Technical Resource/Quality Assurance (Environmental)	26	8

15. FIRM NAME AND LOCATION *(City and State)*

WSP USA Inc., Honolulu, Hawaii

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
B.S., Civil Engineering	Hawaii, Professional Engineer

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

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Environmental Permitting Assistance, Honolulu, Hawaii	On-going	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE ☒ Check if project performed with current firm

Deputy project manager for the City and County of Honolulu Department of Design and Construction Environmental Permitting Project. His duties include developing the City and County of Honolulu, Department of Design and Construction's (DDC) Specification Policy and Procedures, developing DDC environmental program including but not limited to environmental templates, training DDC staff on environmental regulations, training DDC staff on how to identify and navigate environmental requirements for their projects, assisting DDC staff on developing schedules etc. His other duties will include developing a staff study to determine the new environmental structure within DDC.
Contract Value: $4 million

b.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
HDOT's Environmental Permitting and Compliance Section Hawaii	2016	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE ☐ Check if project performed with current firm

Assisted in the development of HDOT's Environmental Permitting and Compliance Section. This effort consisted of developing the Section's functional description, position descriptions and hiring of the employees within this Section. He played a lead role in the development of the policy and procedures of HDOT's environmental program. He had oversight over the development of Section 106 of the National Historic Preservation Act, Section 7 of the Endangered Species Act, the National Environmental Policy Act, Hawaii Revised Statutes 343 Environmental Impact Statement guidelines. His Section served to provide environmental guidance and direction to the Highways Division and the County Federal Aid Program. His section also served as the primary environmental clearing house for emergency related projects.

c.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
HDOT's Storm Water Management Program Plan	2016	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE ☐ Check if project performed with current firm

Assisted in the development of the Storm Water Management Program Plan. From 2005 until 2016, he served to develop and manage the Permanent Best Management Practices (PBMPs) program. He worked with consultants in providing guidance and direction on which PBMPs were most appropriate for the project and the life cycle analysis for the program.

d.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
HDOT's Modified Water Quality Certification Process	2016	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE ☐ Check if project performed with current firm

Was the lead role in the development of the modified Water Quality Certification Process. He worked with the Federal Highways Administration, Central Federal Lands to develop An Integrated Storm Water Management Approach and a Summary of Clear Water Diversion and Isolation Best Management Practices for Use in the State of Hawaii, by the Federal Highway Administration and Hawaii Department of Transportation, Practitioners Guide. This new process serves as the example for interagency coordination and an expedited process to Storm Water Management.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS SERVICE CATEGORY

(Complete one Section E for each key person)

12. NAME	13. TITLE SERVICE PROVIDED	14. YEARS EXPERIENCE	
Darin N. Chinen, PE	Civil Task Leader or Technical Resource/Quality Assurance (Civil)	a. TOTAL: 34	b. WITH CURRENT FIRM: 34

15. FIRM NAME AND LOCATION *(City and State)*

WSP USA Inc., Honolulu, Hawaii

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
M.B.A. B.S., Civil Engineering	Hawaii, Professional Engineer

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

American Society of Civil Engineers; Consulting Engineers Council of Hawaii

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: Program and Project Management for Rehabilitation of Streets, Oahu, Hawaii

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: On-going; CONSTRUCTION *(If applicable)*: On-going

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE ☒ Check if project performed with current firm

Project manager responsible for the execution of various program and project management services. Project scope includes planning and management of the City and County of Honolulu's rehabilitation of streets Capital Improvement Program (CIP). Tasks include preparation of annual CIP budgets, programming of new projects, tracking of program funds, project management of individual consultant and construction contracts, and preparation of construction documents for in-house design projects.

Current Contract Fee: $8.0 million.

b.

(1) TITLE AND LOCATION *(City and State)*: Traffic Improvements at Various Locations, Oahu, Hawaii

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2003; CONSTRUCTION *(If applicable)*: 2004

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE ☒ Check if project performed with current firm

Project manager responsible for providing planning and engineering services for traffic improvements to existing intersections and highway facilities on Oahu. Project scope included traffic studies, environmental documentation, conceptual engineering designs, public presentations, and final PS&E for projects ranging from intersection modifications to traffic calming improvements.

Contract Fee: $600 thousand.

c.

(1) TITLE AND LOCATION *(City and State)*: Kapiolani Boulevard Reconstruction, Oahu, Hawaii

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2011; CONSTRUCTION *(If applicable)*: 2015

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE ☒ Check if project performed with current firm

Project manager responsible for the design of this roadway reconstruction project. The project includes reconstruction of existing asphalt concrete pavement, installation of portland cement concrete (PCC) pavement bus lanes, pavement markings design, reconstruction of existing concrete curbs, concrete catch basin repair, and street light and traffic signal systems. Project scope includes preparation of final plans, specifications, and cost estimate (PS&E), and coordination of permitting required for project construction.

Contract Fee: $662 thousand.

d.

(1) TITLE AND LOCATION *(City and State)*: Reconstruction of Wilhelmina Rise, Oahu, Hawaii

(2) YEAR COMPLETED — 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

Project manager responsible for the design of this PCC pavement reconstruction project. The project includes reconstruction of PCC pavements, pavement markings design, reconstruction of existing concrete curbs concrete catch basin repair, and tree removals. Project scope includes preparation of final PS&E, and coordination of permitting required for project construction.

Contract Fee: $197 thousand

e.

(1) TITLE AND LOCATION *(City and State)*: Waipio Point Access Road Improvements, Oahu, Hawaii

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2010; CONSTRUCTION *(If applicable)*: 2016

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE ☒ Check if project performed with current firm

Project manager responsible for the design of this roadway improvements project. The project includes reconstruction of existing roadway, new pedestrian and bikeway facility, drainage and grading improvements, signing and striping, street lighting systems, utility relocations, and permanent best management practices. Project scope includes preparation of final PS&E, drainage report and calculations, and coordination of permitting required for project construction.

Contract Value: $455 thousand

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS SERVICE CATEGORY

(Complete one Section E for each key person)

12. NAME	13. TITLE SERVICE PROVIDED	14. YEARS EXPERIENCE	
Allen Kam	Project Manager or Environmental Task Leader	a. TOTAL 30	b. WITH CURRENT FIRM < 1

15. FIRM NAME AND LOCATION *(City and State)*

WSP USA Inc., Honolulu, Hawaii

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Juris Doctorate B.S., Environmental Design	

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

Professional Certificate in Real Estate, New York University

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: Planning Department Head, Belt Collins Hawaii / B+K Consulting, Honolulu, Hawaii

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2013 — CONSTRUCTION *(If applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☐ Check if project performed with current firm

Strategized project approaches to obtain land use approvals and entitlements, prepare community plans, and coordinated public engagement. Prepared and presented projects to clients, project executive teams, and the public. Prepared and processed environmental reviews at the National Environmental Policy Act (NEPA) and Hawaii State (Hawaii Revised Statutes [HRS] 343) level, as well as land use and zoning permits. Prepared master plans and community update plans, including strategizing the public engagement process. Coordinated and managed a team of subconsultants to fulfill project needs in multiple capacities.

b.

(1) TITLE AND LOCATION *(City and State)*: Commercial Property Manager, State of Hawaii Office of Hawaiian Affairs, Honolulu, Hawaii

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2010 — CONSTRUCTION *(If applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☐ Check if project performed with current firm

Established a new Commercial Property department for the Office of Hawaiian Affairs (OHA). Created a development strategy for approximately thirty acres of waterfront property in Kakaako Makai. Oversaw and supervised master planning efforts and community outreach efforts for the Kakaako Makai Master Plan. Managed and supervised internal staff as well as teams of consultants that included professionals with a variety of focus and levels of involvement.

c.

(1) TITLE AND LOCATION *(City and State)*: Associate, Booz Allen Hamilton, Honolulu, Hawaii

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: — CONSTRUCTION *(If applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☐ Check if project performed with current firm

Embedded consultant in Marine Forces Pacific, Defense Policy Review Initiative – Environmental Department. Assisted in the overall strategy and preparation of the Commonwealth of the Northern Mariana Islands (CNMI) Joint Military Training (CJMT) NEPA Environmental Impact Statement (EIS). Coordinated NEPA EIS contract tasks with Naval Facilities Pacific, supervised staff and external consultants. Acted as Interim Environmental Team Lead, briefing unit commander, Marine Forces Pacific (MARFORPAC) Executive Director and Headquarters, and U.S. Marine Corps (HQMC) staff on project updates.

d.

(1) TITLE AND LOCATION *(City and State)*: Undersea Cable Permitting Specialist, State of Hawaii Department of Department of Business, Economic Development & Tourism, Honolulu, Hawaii

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: — CONSTRUCTION *(If applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☐ Check if project performed with current firm

Oversaw the preparation of the Hawaii Interisland Renewable Energy Program EIS. In conjunction with the state of Hawaii Office of Environmental Quality Control, developed a strategy to complete a legally-defensible programmatic EIS, despite significant ambiguous components, which satisfied the requirements of both HRS Chapter 343 and NEPA. Established and maintained relationships with various other Federal and State agencies, and in particular with the U.S. Department of Energy and U.S. Fish & Wildlife Services, negotiating roles for such agencies in the project to help mitigate the State of Hawaii's risk. Established budget for EIS and planning efforts.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS SERVICE CATEGORY

(Complete one Section E for each key person.)

12. NAME	13. TITLE SERVICE PROVIDED	14. YEARS EXPERIENCE	
Nami Ohtomo	Project Manager or Planning Task Leader	a. TOTAL 30	b. WITH CURRENT FIRM 11

15. FIRM NAME AND LOCATION *(City and State)*

WSP USA Inc., Honolulu, Hawaii

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
M.P.P., Public Policy, and M.S., Natural Resources & Environment; A.B., East Asian Languages & Civilizations	

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

Hawaii Association of Environmental Professionals, Board member; Women in Renewable Energy

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: Pali Highway Emergency Repair Project and Pali Highway Landslide Mitigation Project, Oahu, Hawaii

(2) YEAR COMPLETED — 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

Lead environmental planner on fast-track emergency project to repair landslide areas and to build a protective structure above the highway. Responsible for client coordination on all environmental clearances for this federally funded project, including National Historic Preservation Act (NHPA) Section 106, U.S. Department of Transportation Act Section 4(f) evaluation, Endangered Species Act (ESA) Section 7, and other federal coordination. Contract Fee: $500 thousand.

b.

(1) TITLE AND LOCATION *(City and State)*: Kauai Emergency Projects, Kauai, Hawaii

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2012; CONSTRUCTION *(If applicable)*: 2014

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Environmental planner on multiple Hawaii Department of Transportation projects with emergency federal assistance at various locations, to repair roadway connectivity disrupted by heavy rainfall. Responsible for preparing U.S. Army Corps of Engineers permit applications and review/submittal of Historic American Engineering Record (HAER) documentation of impacts to historic bridges. Contract Fee: $314 thousand.

c.

(1) TITLE AND LOCATION *(City and State)*: HNL Biometric Facial Recognition Project, Honolulu, Hawaii

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: On-going; CONSTRUCTION *(If applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Environmental planner for a project to design, deploy, and provide CM support services for a facial recognition system at international departure gates in the Daniel K. Inouye International Airport, to enhance customer experience and operational efficiency. Prepared federal Categorical Exclusion (CatEx) documentation pursuant to the National Environmental Policy Act (NEPA). Contract Fee: 1.8 million.

d.

(1) TITLE AND LOCATION *(City and State)*: Kauai Emergency Flood Repairs and Cleanup at Various Locations April 2018, Kauai, Hawaii

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2018; CONSTRUCTION *(If applicable)*: On-going

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Prepared U.S. Army Corps of Engineers permit applications on emergency federal assistance projects at various locations to repair roadway connectivity disrupted by heavy rainfall, for Hawaii Department of Transportation.

e.

(1) TITLE AND LOCATION *(City and State)*: Kauai Bridge Rehabilitation projects, Kauai, Hawaii

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: Ongoing; CONSTRUCTION *(If applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Project manager responsible for obtaining environmental permit clearances for three County of Kauai bridge rehabilitation projects - Hanapepe Bridge, Koloa Bridge, and Kipu Bridge. The most complex of these is the federally-funded Hanapepe Bridge Rehabilitation, requiring U.S. Army Corps of Engineers (USACE) and U.S. Coast Guard (USCG) Section 404 and Section 10, State Historic Preservation Officer (SHPO) on National Historic Preservation Act (NHPA) Section 106; HRS Chapter 6E-8; U.S. Fish and Wildlife Service (Endangered Species Act [ESA] Section 7); state Department of Land and Natural Resources on biological resources (HRS Chapter 195d), and preparation of a National Environmental Policy Act (NEPA) Categorical Exclusion (CatEx), and HRS Chapter 343 Exemption clearances.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS SERVICE CATEGORY

(Complete one Section E for each key person)

12. NAME	13. ROLE IN SERVICE CATEGORY	14. YEARS EXPERIENCE	
Pamela K. Uyeda, PE, LEED AP BD+C, CISEC	Project Manager or Civil Task Leader	a. TOTAL 27	b. WITH CURRENT FIRM 27

15. FIRM NAME AND LOCATION *(City and State)*

WSP USA Inc., Honolulu, Hawaii

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
M.S., Civil Engineering B.S., Civil Engineering	Hawaii, Professional Engineer Hawaii, LEED AP BD+C Certified Inspector Sediment and Erosion Control

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

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: Lydgate Park-Kapaa Bike/Pedestrian Path, Phases C & D, Kauai, Hawaii

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: On-going; CONSTRUCTION *(If applicable)*: On-going

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Project manager responsible for overseeing the preliminary right-of way acquisition, permitting, and development of conceptual design plans for a new coastal shared use path through resort properties near Kapaa. Project scope also includes preparation of easement maps, land appraisals for each affected property (11 total), assisting in a deed transfer document, and processing the first SMA/SSV applications under the County new shoreline ordinance.
Contract Fee: $1.3 million

b.

(1) TITLE AND LOCATION *(City and State)*: Total Maximum Daily Loads (TMDL) Monitoring and Best Management Practices (BMP) Activities Tracking, Oahu, Hawaii

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: On-going; CONSTRUCTION *(If applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Project manager responsible for assisting the City and County of Honolulu, Department of Environmental Services (ENV) in meeting regulatory requirements of its Municipal Separate Storm Sewer System (MS4) permit. Duties include reviewing Environmental Protection Agency/Department of Health (EPA/DOH) permit language revisions, developing end-of-pipe and stream monitoring plans, developing a work plan for establishing local event mean concentration loads for urban land uses, developing implementation and monitoring plans for TMDL watersheds, and tracking and calculating load reductions for the City's BMP activities. Supplementary tasks include assisting ENV with watershed water quality modeling efforts, preparation of a Green Infrastructure Handbook, tracking TMDL development nationwide, and preparation of the Annual Monitoring Plan and Annual Monitoring Report for submittal to DOH.
Contract Fee: $5.5 million.

c.

(1) TITLE AND LOCATION *(City and State)*: Middle Street Pavement Reconstruction, North King Street to Kamehameha Highway, Oahu, Hawaii

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2013; CONSTRUCTION *(If applicable)*: On-going

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Project manager responsible for preparing civil design plans and permitting documents for an FHWA Highway for LIFE grant project to demonstrate innovative concrete pavement construction techniques, including precast concrete panels and post-tensioned precast panels. The accelerated construction techniques allowed for minimal traffic disruption while accommodating the exceptionally heavy truck and bus traffic along this corridor (Keehi Transfer Station and the Kalihi-Palama Bus Facility are located along this portion of Middle Street). Contract Value: $237 thousand

d.

(1) TITLE AND LOCATION *(City and State)*: Interstate Route H-1 Rehabilitation, Middle Street to Vicinity of Ward Avenue, Oahu, Hawaii

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2014; CONSTRUCTION *(If applicable)*: 2014

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Project manager responsible for overseeing the completion of environmental clearances, permitting requirements, and PS&E development for the resurfacing and rehabilitation of 3.5 miles of Interstate Route H-1 throughout the most heavily traveled corridor in Honolulu. Project design elements included assessing the pavement condition; determining an appropriate repair; restriping the interstate to add an additional through lane; ancillary safety improvements; installing a geosynthetic reinforced soil wall for slope stability; and bridge widening. The project also required obtaining numerous design exceptions from FHWA; A+B contracting including road user cost analysis; incentive/disincentive specifications; and coordination with landowners and lessees for construction parcels.
Contract Fee: $2.0 million.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS SERVICE CATEGORY

(Complete one Section E for each key person)

12. NAME	13. TITLE SERVICE PROVIDED	14. YEARS EXPERIENCE	
Wayne Y. Yoshioka	Traffic/Transportation Task Leader	a. TOTAL: 43	b. WITH CURRENT FIRM: 14

15. FIRM NAME AND LOCATION *(City and State)*
WSP USA Inc., Honolulu, Hawaii

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
B.S., Civil Engineering	Colorado, Professional Engineer

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

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: Honoapi‘ilani Highway Improvements, Milepost 10.5 to Milepost 18.0, Maui, Hawaii

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: On-going; CONSTRUCTION *(If applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Project Manager for NEPA/343 EIS and Preliminary Engineering leading to an RFP for Design-Build solicitation. Project proposes to realign Honoapi‘ilani Highway inland to address sea-level rise.
Contract Value: $1.3 million.

b.

(1) TITLE AND LOCATION *(City and State)*: West Waikiki Study, Honolulu, Hawaii

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2007; CONSTRUCTION *(If applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Project manager for the project that examined safety and traffic operations at five Waikiki intersections. Microsimulation incorporating vehicle and pedestrian data was performed for Kalakaua Avenue intersections from Saratoga Road to Royal Hawaiian Avenue. New pedestrian-only phases were recommended at the Lewers and Royal Hawaiian intersections which reduced vehicle-pedestrian conflicts while reducing delay and queuing on Kalakaua Avenue.
Contract Fee: $193 thousand.

c.

(1) TITLE AND LOCATION *(City and State)*: Nani Kailua Road Extension, Kailua-Kona, Hawaii

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2007; CONSTRUCTION *(If applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Transportation engineer responsible for studying the impact of a new mauka-makai connector roadway between Kuakini Highway and Alii Drive, two high-volume but distinctive character roadways in Kailua-Kona. Traffic control alternatives such as traffic signals and roundabouts are being considered.
Contract Value: $1.1 million.

d.

(1) TITLE AND LOCATION *(City and State)*: North South Road EA, Kapolei, Hawaii

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2007; CONSTRUCTION *(If applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☒ Check if project performed with current firm

Project Manager for NPEA/343 EA and Preliminary Engineering for a new arterial roadway and H-1 interchange. Project dealt with endangered Abutilon Menziesii plant. Successful clearance of EA and preliminary engineering led to current Kualaka‘i Parkway and interchange.
Contract Value: $2.6 million.

e.

(1) TITLE AND LOCATION *(City and State)*: Saddle Road Extension EIS, Waikoloa, Hawaii

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: ; CONSTRUCTION *(If applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☐ Check if project performed with current firm

Project manager for transportation element of EIS for a proposed extension of Saddle Road (Daniel K. Inouye Highway) between Māmalahoa Highway and Queen Ka‘ahumanu Highway. Involved both transportation forecasting and intersection operational analyses.

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE FIRM'S QUALIFICATIONS FOR THIS SERVICE CATEGORY

(Present no more than 10 projects, with emphasis on previous City projects. Complete one Section F for each project.)

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
Environmental Permitting, Oahu, Hawaii	PROFESSIONAL SERVICES On-going	CONSTRUCTION *(If applicable)*

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
City and County of Honolulu, Department of Design and Construction	Mr. Wilfred Kiyotoki	(808) 768-8832

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

WSP is providing of providing technical engineering services to assist the City in the project management and compliance with various environmental permits/clearances required for City projects. Project scope involves the following:

- Assisting the City in overseeing, determining, organizing, and compiling all necessary environmental permit compliance documents to meet Federal, State and City statutes.
- Coordinating, reviewing, and following up on the permit compliance work activities, meetings, submittals, documentations, and schedule.
- Assisting in the preparation and review of permit applications and related documents and amendments and obtaining approvals.
- Coordinating permit compliance work requirements, amendments, non-compliance/violations with other City, State and Federal agency requirements and acting as a liaison with such agencies.
- Permits include the following:
    1. National Pollutant Discharge Elimination System (NPDES) General Permit, Appendices C and A, Authorizing Discharges of Storm Water Associated with Construction Activities
    2. National Pollutant Discharge Elimination System (NPDES) General Permit, Appendices F and A, Authorizing Discharges of Hydrotesting Waters
    3. National Pollutant Discharge Elimination System, Individual Permits
    4. Noise Variances
    5. Section 401 Water Quality Certification
    6. Department of the Army Permits – Section 10 of the Rivers and Harbors Act; Section 404 of the Clean Water Act; Section 103 of the Marine Protection, Research, and Sanctuaries Act; and other laws
    7. Hawaii Revised Statutes (HRS) 343/National Environmental Policy Act (NEPA)
    8. HRS 6E/Section 106 of the National Historic Preservation Act (Section 106)
    9. HRS 195D, Section 7 of the Endangered Species Act
    10. HRS 174C State Water Code
    11. HRS 205A Coastal Zone Management

Contract Value: $4 million

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	WSP USA Inc.	Honolulu, Hawaii	Prime Consultant

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE FIRM'S QUALIFICATIONS FOR THIS SERVICE CATEGORY

(Present no more than 10 projects, with emphasis on previous City projects. Complete one Section F for each project.)

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
East Kapolei Rail Station Multimodal Access Improvements, Oahu, Hawaii	PROFESSIONAL SERVICES On-going	CONSTRUCTION *(If applicable)*

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
City and County of Honolulu	Honglong Li	(808) 768-5472

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

WSP is providing planning, environmental, and design services to City and County of Honolulu Department of Transportation Services to complete Federal Transit Administration (FTA) environmental clearances associated with constructing multimodal access improvements for the future East Kapolei Rail Station. The purpose for the project is to create multimodal connections including bus to rail, bike to rail, and walk to rail between adjacent land uses/community and the East Kapolei station.

In developing the improvements, the Department of Transportation Services (DTS) would incorporate the City's Complete Streets Design Manual guidelines and evaluate various crossing alternatives, including signalization, to maintain safe and efficient traffic operations. DTS also envisions integrating a context sensitive solutions (CSS) approach to the planning and design by meeting with surrounding land uses and major stakeholders including the University of Hawaii's West Oahu, Salvation Army's Kroc Center, the Department of Hawaiian Homelands, DR Horton, Oahu Transportation Services, and others. The preferred design would be coordinated with Hawaii Department of Transportation (HOOT), owner of Kualakai Parkway. Funding from the FTA would be utilized in the design phase therefore the proposed project must also comply with federal requirements.

Contract Value: $2.1 million

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	WSP USA Inc.	Honolulu, Hawaii	Consultant
b.			
c.			
d.			
e.			

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE FIRM'S QUALIFICATIONS FOR THIS SERVICE CATEGORY

(Present no more than 10 projects, with emphasis on previous City projects. Complete one Section F for each project.)

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
Farrington Highway Intersection Improvements at Nanakuli Avenue and Haleakala Avenue, Island of Oahu, Hawaii	PROFESSIONAL SERVICES 2014	CONSTRUCTION *(If applicable)* On-going

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Hawaii Department of Transportation, Highways Division	Mr. Henry Kennedy	(808) 692-7550

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

HDOT initiated the planning and design of the project in an effort to improve safety and operations along the Farrington Highway corridor in Nanakuli in the vicinity of the Nanakuli Avenue and Haleakala Avenue intersections. The project involves widening Farrington Highway by one lane between Nanakuli Stream and Helelua Street in order to provide dedicated left turn lanes at the intersections. In addition, drainage and highway lighting systems are being developed/upgraded and a multi-modal pedestrian facility added along the coastal side of the highway right-of-way.
Due to the level of development close to the highway right-of-way on either side of the corridor and the existence of a historic railway alignment along one side of the corridor many resources were considered in the development of a least impact alternative design for the project. Significant coordination efforts were made with all stakeholders involved including DHHL, DOE, City and County of Honolulu Parks and Recreation, Nanakuli Village Center, Ka Waihona Charter School, Hawaiian Railway Society and the Historic Hawaii Foundation. Through these collaborative efforts at the aid of WSP, a least impact alternative was developed involving the realignment of a portion of the historic railway in order to provide much needed space to construct the proposed improvements.

Project Elements:

- Prepare Environmental Assessment
- Permit coordination including: NPDES, SMA
- Final design elements include:
  - Roadway widening
  - Drainage system design
  - Traffic Signal modifications
  - Culvert extension
  - Shared use path design
  - Railroad track realignment
  - Highway lighting improvements
  - Utility adjustments
- Design Support During Construction

Contract Value: $2.6 Million

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	WSP USA Inc.	Honolulu, Hawaii	Prime Consultant
b.	MK Engineers, Ltd.	Honolulu, Hawaii	Subcontractor
c.	Geolabs, Inc.	Honolulu, Hawaii	Subcontractor
d.	Cultural Surveys Hawaii, Inc.	Honolulu, Hawaii	Subcontractor
e.	ControlPoint Surveying, Inc.	Honolulu, Hawaii	Subcontractor

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE FIRM'S QUALIFICATIONS FOR THIS SERVICE CATEGORY

(Present no more than 10 projects, with emphasis on previous City projects. Complete one Section F for each project.)

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
County of Hawaii's Hakalau Stream Bridge (Bridge No. 29-3) Emergency Repairs, Hilo, Island of Hawaii, Hawaii	2017	2018

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
County of Hawaii, Department of Public Works	Allan Simeon	(808) 961-8321

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

The County of Hawaii's Hakalau Stream Bridge (Bridge No. 29-3) was built in 1930 as a stream crossing for the Old Mamalahoa Highway. Over time, Hakalau Stream severely eroded the historic bridge's northern abutment creating a large scour cavity beneath the footing. On February 9, 2017, Mayor Harry Kim issued an emergency proclamation recognizing the "imminent threat of the bridge suddenly collapsing" and "the need for government agencies and/or representatives from the private sector to mobilize and provide immediate services". The extent of the scour compromised the bridge's stability, and ultimately affected its ability to safely sustain vehicle loads. The County closed the bridge to prevent the possibility of property damage and/or bodily injury.

Challenges of this project involved developing an appropriate fix for a historic bridge in the midst of U.S. Fish and Wildlife and National Marine Fisheries concerns for numerous Section 7-protected species, including the Hawaiian Hawk, nesting waterbirds, and water quality impacts to essential fish habitat downstream. The project team developed a feasibility study and coordinated with resource agencies to identify the preferred solution. Relying heavily on national research, the team developed and designed an environmentally-sensitive approach using grout bags to contain the slurry and fill the growing scour cavity.

WSP coordinated and prepared documentation for environmental clearances in NHPA Section 106, ESA Section 7, Magnuson-Stevens Fisheries Act, Fish and Wildlife Coordination Act, Section 4(f), CWA Section 404, CWA Section 401, CZM, and NEPA Categorical Exclusions.

Compliance with Section 401 of the Clean Water Act utilized the Hawaii Department of Transportation's (HDOT) innovative In-Stream Manual. WSP provided in-water inspections to monitor water quality throughout the duration of construction, which verified water quality research and assumptions undertaken during design. Furthermore, the inspections ensured consistent implementation of HDOT's 401 WQC monitoring program as agreed upon with the Hawaii Department of Health.

The PS&E, and all clearances were obtained in less than 6 months.

Contract Value: $247 thousand

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	WSP USA Inc.	Honolulu, Hawaii	Subconsultant
b.	KSF, Inc.	Honolulu, Hawaii	Prime Consultant

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE FIRM'S QUALIFICATIONS FOR THIS SERVICE CATEGORY

(Present no more than 10 projects, with emphasis on previous City projects. Complete one Section F for each project.)

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Kauai Emergency Flood Repairs and Cleanup at Various Locations April 2018, Northern and Eastern Kauai, Island of Kauai, Hawaii	2018	2019

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Hawaii Department of Transportation, Highways Division	Larry Dill	(808) 241-3006

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

Mid-April 2018, record rains, wind, and flooding triggered landslides and undermined portions of Kuhio Highway, forcing its closure from Hanalei to Kee. WSP assisted HDOT in the response to this unprecedented disaster through the preparation of Detailed Damage Inspection Reports, environmental documents and permit applications, construction and permanent easement maps, and plans and specifications for the recovery efforts spanning more than **26 individual sites**. Sites included **seventeen (17) slope clean-up sites** with slope faces as high as 70 feet; **3 roadway stabilizations**, **2 historic bridge replacements**, **1 historic bridge rehabilitation**, **1 CRM Wall replacement,** and **repair of 2 stream/river crossings. Innovative methods were employed using a fiber reinforced polymer (FRP) to rehabilitate the historic Waioli Bridge** and negotiate the Section 106 Memorandum of Agreement.

WSP coordinated and prepared documentation for environmental clearances in NHPA Section 106 (*including a Section 106 MOA*), ESA Section 7, Section 4(f), CWA Section 404 (*4 letters of No Permit Required; 5 Pre-Construction Notices/404 Permits*), NEPA Categorical Exclusions, and CWA Section 402 NPDES permits.

All clearances were obtained with 6 months. A summary of the repairs and locations are listed below.

<u>Haena to Hanalei</u>

1. Kuhio Highway (Route 560), Milepost (MP) 10 at Kee State Park: Reconstruct roadway
2. Limahuli Stream Crossing (Route 560), MP 9.55,: Repair concrete section lost in flooding. Resurface entire ford crossing;
3. Kuhio Highway (Route 560), MP 8.87 at Haena Beach Park: Repair roadway shoulder;
4. Manoa Stream Ford Crossing (Route 560), MP 8.76 near Haena Beach Park: Repair the entire crossing;
5. Kuhio Highway (Route 560), MP 6.5 (Repair Site 2): Roadway stabilization area with only 1 lane remaining: Debris removal, slope wall installation including soil nails, foot of slope revetment, guardrail/sign replacement, pavement repair;
6. Kuhio Highway (Route 560), 15 locations or more from MP 6.5 through MP 4.4: Debris removal, slope scaling, slope stabilization, guardrail replacement, pavement repairs;
7. Kuhio Highway (Route 560), MP 5.8: Stockpile area;
8. Kuhio Highway (Route 560), MP 4.5 (Repair Site 1): Roadway stabilization area: Debris removal, slope wall installation including soil nails, foot of slope revetment, guardrail/sign replacement, pavement repair;
9. Kuhio Highway (Route 560), MP 4.4: Stockpile area;
10. Waikoko Bridge (Route 560): Replace existing bridge;
11. Waipa Bridge (Route 560): Replace existing bridge;
12. Kuhio Highway (Route 560), MP 3.7: Staging area;
13. Waioli Bridge (Route 560): Replace existing bridge; debris removal from under bridge
14. Kuhio Highway (Route 560), MP 1: Debris removal, slope scaling, guardrail replacement, minor pavement repair;
15. Kuhio Highway (Route 560), MP 0.5: Debris removal;

<u>Kalihiwai</u>

16. Kuhio Highway (Route 56), MP 25: Debris removal, slope scaling;
17. Kuhio Highway (Route 56), MP 24.9: Debris removal from under bridge, and concrete rubble masonry (CRM) wall replacement;

<u>Wailua</u>

18. Wailua Bridge (Route 56)**:** Debris removal from river under bridge.

Contract Value: $1.1 million

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	WSP USA Inc.	Honolulu, Hawaii	Subconsultant
b.	KSF, Inc.	Honolulu, Hawaii	Prime Consultant

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE FIRM'S QUALIFICATIONS FOR THIS SERVICE CATEGORY

(Present no more than 10 projects, with emphasis on previous City projects. Complete one Section F for each project.)

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Maluhia and Koloa Road Improvements Kauai, Hawaii	On-going	On-going

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	Mr. Troy Tanigawa	(808) 241-4154

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

WSP led a team to complete environmental clearances and design documents to reconstruct and rehabilitate Maluhia Road and Kōloa Road to maintain the riding surfaces for these increasingly utilized roadways. Involvement of federal funds also required the Kaua'i County Department of Public Works (DPW) to comply with applicable federal and State design standards, including upgrading the roadways to meet current safety standards where feasible. Based on the available right-of-way and the roadside topography, the project involved adding 2-foot to 6-foot wide shoulders on each side of the roadway where it could be reasonably accommodated. The addition of paved shoulders along this corridor was intended to provide a refuge area for disabled vehicles, as well as for bicyclists and pedestrians (walkers and joggers). Additionally, the shoulders were intended to provide lateral support for the pavement structure, keeping the sub-base in place to support the riding surface. They also channel storm water runoff farther away from the travel lanes which provides for safer travel during periods of heavy downpours, but also reduces seepage into the pavement which can prolong the pavement life. In all, the planned project included the following general tasks:

- Pavement rehabilitation, including resurfacing and reconstruction, where needed, on Kōloa Road (Kaumuali'i Highway to Po'ipū Road) and Maluhia Road (Kaumuali'i Highway to Kōloa Road),
- Extending the pavement shoulders by up to 6 feet in each direction, where it can be accommodated within the existing roadway right-of-way,
- Addition of a left-turn auxiliary lane on Kōloa Road at Piko Road and Lauoho Road,
- Addition of a left-turn pocket on Maluhia Road from Ala Kinoiki,
- Restriping and pavement widening to create a left-turn auxiliary lane on Kōloa Road at 'Ōma'o Road,
- Installation of a roundabout at the intersection of Kōloa Road and Ala Kalanikaumaka, and
- Ancillary improvements, including minor structural improvements at select and discrete locations, such as endpost construction, guardrail repair, drainage modifications, and other safety improvements.

Environmental clearances involved with the project included:

- National Environmental Policy Act (NEPA), Categorical Exclusion
- National Historic Preservation Action (NHPA) Section 106, no adverse effect
- Endangered Species Act (ESA) Section 7, no effect
- Coastal Zone Management

Majority of the work was performed in-house, using WSP staff.

Contract Value: $896 thousand

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	WSP USA Inc.	Honolulu, Hawaii	Prime

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE FIRM'S QUALIFICATIONS FOR THIS SERVICE CATEGORY

(Present no more than 10 projects, with emphasis on previous City projects. Complete one Section F for each project.)

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Kamehameha Highway Realignment, Vicinity of Laniakea Beach, Oahu, Hawaii	On-going	

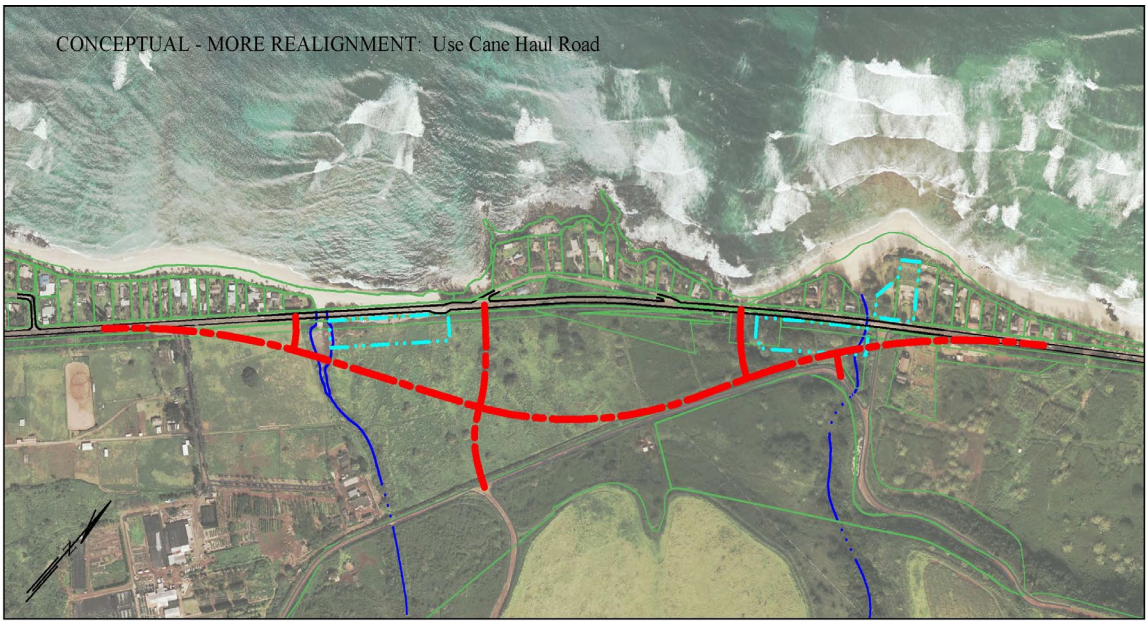
23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
State of Hawaii, Department of Transportation, Highways Division	Mr. Darell Young	(808) 587-1835

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

A section of Kamehameha Highway at Laniakea is threatened by a variety of coastal hazards including chronic erosion, seasonal wave overtopping, flooding and storm surges. The State Department of Transportation (HDOT) contracted WSP to perform investigations, studies, peripheral planning and conceptual design analyses, and preliminary civil engineering services for the realignment of Kamehameha Highway in the vicinity of Laniakea Beach.

WSP evaluated realignment alternatives using a Context Sensitive Solutions (CSS) approach consisting of a community advisory board, meeting with individual resource agencies, major land owners, and adjacent residents. Agencies include the Department of Land and Natural Resources' Office of Coastal and Conservation Lands (OCCL), Coastal Zone Management, State Historic Preservation Division, U.S. Fish and Wildlife Service, National Marine Fisheries Service, the City and County of Honolulu's Parks and Recreation, and others to identify a least impact alternative or preferred alignment. The preferred alternative involves naturalizing portions of the existing Kamehameha Highway, and implementing HDOT's shoreline retreat policies.



WSP is preparing an HRS 343/NEPA environmental assessment document. Other environmental clearances include Section 4(f) Constructive Use, Section 4(f) for Use of Parklands, Section 106 of the NHPA, Section 7 of the ESA, floodplain management, and 404 coordination. Of particular concern is minimizing impacts to Kahokuwelowelo, a heiau significant for wayfinding in which the Polynesian Voyaging Society perpetuates this traditional practice.

Contract Value: $1.4 million

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	WSP USA Inc.	Honolulu, Hawaii	Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE FIRM'S QUALIFICATIONS FOR THIS SERVICE CATEGORY

(Present no more than 10 projects, with emphasis on previous City projects. Complete one Section F for each project.)

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
General Civil Engineering Services for Pavement Preventive Maintenance, Statewide, Project Assignment Order #2: Interstate Route H-1 Rehabilitation, Middle Street to Vicinity of Ward Avenue, Honolulu, Hawaii	2013	2015

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Hawaii, Department of Transportation	Mr. Ross Hironaka	(808) 692-7575

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

As part of an indefinite delivery contract with the Hawaii Department of Transportation (HDOT), WSP led a team to complete environmental clearances; permitting requirements; and plans, specifications, and estimate (PS&E) for the rehabilitation of Interstate Route H-1, Middle Street to Vicinity of Ward Avenue. We performed the bulk of the work in-house, including all environmental, permitting, and civil engineering activities, under a very compressed schedule (nine months total). The project involved federal-aid through the Federal Highways Administration (FHWA); therefore, both State of Hawaii and Federal requirements applied.

The project was completed in less than one year, including all environmental clearances and permits, from receiving notice to proceed.

Environmental clearances involved included:

- Federal:
  - National Environmental Policy Act (NEPA), Categorical Exclusion
  - National Historic Preservation Action (NHPA) Section 106, no adverse effect; activities conducted by WSP to reach this outcome included several consultations with Native Hawaiian organizations (NHOs) and meetings with the State Historic Preservation Division (SHPD)
  - Endangered Species Act (ESA) Section 7, no effect
  - Department of Transportation Act 1966, Section 4(f), de minimis
- State:
  - Hawaii Revised Statutes (HRS) Chapter 343, Environmental Assessment/Finding of No Significant Impact (FEA/FONSI)
  - HRS Chapter 6E, no inventory survey required

During the scoping and design process we were careful to avoid triggering certain permits. We were able to design a bridge widening to avoid triggering a Clean Water Act (CWA) Section 404 Department of Army and a CWA Section 401 Water Quality Certification. The Army Corps of Engineers reviewed our plans and agreed that a CWA Section 404 permit would not be required. Permits that were required included the following:

- Coastal Zone Management (CZM) Federal Consistency
- National Pollutant Discharge Elimination System (NPDES), general permit with site-specific BMPs
- Noise Permit
- Noise Variance

We completed the PS&E package and assisted the HDOT during bidding. The project design included:

- Repaving, reconstruction, and rehabilitation of interstate, as appropriate, including repair of water seepage areas
- Restriping of the interstate to accommodate four through lanes in each direction, including regulatory, warning, and destination sign modifications
- Design exception approval from FHWA
- Widening of the Nu'uanu Stream Bridge
- Geosynthetic Reinforced Soil (GRS) wall for slope stability
- Modifications to retaining walls, guardrails, crash attenuators, and other interstate features necessary to accommodate the four through lanes
- Transportation management plan, which included complete closure of the interstate
- Highway lighting upgrades to meet future LED light fixture illumination levels
- Coordination with land owners, lessees, and the HDOT for construction parcels
- A+B bidding specifications, including road user cost analysis
- Incentive/disincentives for early completion

We managed two public informational meetings for the project. The meetings were primarily held to support the HRS Chapter 343 process and the Noise Variance, but included detailed project plans. The team made all arrangements for the meetings; sent invitations to the public, including bulk mail and legal ads; drafted press announcements; prepared meeting materials such as posters and handouts; and interacted with the attending public, including making presentations and answering questions.

Contract Value: $1.75 million

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	WSP USA Inc.	Honolulu, Hawaii	Prime

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE FIRM'S QUALIFICATIONS FOR THIS SERVICE CATEGORY

(Present no more than 10 projects, with emphasis on previous City projects. Complete one Section F for each project.)

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Hardy Street Improvements Kauai, Hawaii	2012	2015

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
County of Kauai	Mr. Douglas Haigh (retired)	(808) 241-4849

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

WSP led a team to complete environmental clearances and RFQ procurement documents/technical provisions for a complete streets design-build project in the heart of Lihue town. WSP performed the bulk of the work in-house, including all environmental clearances and civil engineering activities. The project involved Federal aid through the Federal Highways Administration (FHWA); therefore, County, State of Hawai'i, and Federal requirements applied.

The project emphasized implementing complete street concepts to improve vehicular, pedestrian, and bicycle circulation along Hardy Street in the vicinity of the Civic Center. The project's conceptual design also included:

- Reconstruction of traffic lanes,
- Addition of left turn lanes,
- Reconstruction of sidewalk and driveway areas,
- Designation of bike lanes,
- Construction of a roundabout with a central feature to showcase the entrance to the civic center area,
- Landscaping,
- Utility adjustments and undergrounding of utility lines,
- Improvements to a bus bay pullout, and
- Drainage improvements.

Environmental clearances involved with the project included:

- National Environmental Policy Act (NEPA), Categorical Exclusion
- National Historic Preservation Action (NHPA) Section 106, no adverse effect
- Endangered Species Act (ESA) Section 7, no effect
- Coastal Zone Management

WSP provided technical review of each Offeror's design concept proposal and assisted during the team interviews. WSP also prepared a detailed bid evaluation package which included a written evaluation of each submittal, preparation of interview questions, meeting minutes for each team interview, compilation of panel's evaluation scores and comments, tabulation of Contractor's bids, documentation of discussions with bidder's regarding apparent line item discrepancies, and tabulation of the final design concept + price score.

Contract Value: $262 thousand

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	WSP USA Inc.	Honolulu, Hawaii	Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE FIRM'S QUALIFICATIONS FOR THIS SERVICE CATEGORY

(Present no more than 10 projects, with emphasis on previous City projects. Complete one Section F for each project.)

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
Honoapi‘ilani Highway Improvements Maui, Hawaii	PROFESSIONAL SERVICES On-going	CONSTRUCTION *(If applicable)*

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Hawaii Department of Transportation Highways Division, Planning Branch	Ms. Genevieve Sullivan	(808) 587-1834

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

The scenic coastal Honoapi‘ilani Highway (State Route No. 30) is a two-lane highway that currently serves as the primary access route to and from West Maui. This project is proposed to improve the resiliency of approximately six miles of the highway between Ukumehame and Launiupoko. Flooding caused by high wave wash are regular occurrences on this low-lying highway, which results in hazardous conditions, delay and roadway closures. As the primary access to West Maui, when these road closures occur, they have significant impacts on the quality of life for West Maui residents, and the West Maui economy.

For the Hawai‘i Department of Transportation (HDOT), and in collaboration with the Federal Highway Administration (FHWA), WSP is providing comprehensive transportation planning, preliminary design, and cultural and environmental impact assessment for the Honoapi‘ilani Highway Improvements Project in West Maui. This important resiliency project is evaluating the realignment of about six miles of the coastal highway which is a key arterial providing the main access to West Maui for workers, visitors, and goods movement. The project is intended to address existing coastal erosion and flooding, as well as future coastal erosion and flooding caused by anticipated sea level rise that have been identified as exposed and potentially vulnerable to sea level rise. The project has been awarded a Rebuilding American Infrastructure with Sustainability and Equity (RAISE) grant which established a timeline for completion of an Environmental Impact Statement (EIS), pursuant to the National Enviornmental Policy Act (NEPA) and the Hawai‘i Enviornmental Policy Act (HEPA).

WSP helped establish a reasonable range of alternatives in collaboration with HDOT and FHWA and facilitated early public and agency outreach to refine the alternatives to be evaluated in the EIS. In the fall of 2022, FHWA issued a Notice of Intent to prepare an EIS and initiated scoping, agency coordination and development of the USDOT dashboard, and public scoping meetings. The WSP team coordinated the development of the scope, the hybrid in-person and virtual meetings, and is leading the EIS technical work including the cultural resources work as part of the Section 106 and Hawai‘i 6E processes. A Scoping Report summarizing the scoping process and public comment on the scope of work was issued in May 2023. The draft EIS will assess four alternatives across a comprehensive array of environmental impact assessment analyses including natural resources (i.e., seal level rise, wetlands, threatened and engangered species, water quality), the built environment (i.e., traffic and transportation, air quality, noise), and social and community context (i.e., land use, Environmental Justice, historic and archeological resources). This evaluation will lead to the selection of a Preferred Alterantive which will be the basis for more refined preliminary and final design. More information can be found at https://www.honoapiilanihwyimprovements.com/

Contract Value: $1.3 million

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	WSP USA Inc.	Honolulu, Hawaii	Prime consultant

G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

26. NAMES OF KEY PERSONNEL (From Section E, Block 12)	27. ROLE IN EXAMPLE PROJECT	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
Randall Urasaki	PIC or Technical Resource / Quality Assurance	X	X	X	X	X	X	X	X	X	X
Todd Nishioka	Technical Resource/Quality Assurance (Environmental)	X			X	X					
Darin Chinen	Technical Resource/Quality Assurance (Civil)	X									
Allen Kam	Project Manager or Environmental Task Leader										
Nami Ohtomo	Project Manager or Environmental Task Leader		X	X		X	X		X		
Pamela Uyeda	Project Manager or Civil Task Leader			X		X	X	X		X	
Wayne Yoshioka	Traffic/Transportation Task Leader										X

29. EXAMPLE PROJECTS KEY

NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	DDC Environmental Permitting, Oahu, Hawaii	6	Maluhia and Koloa Road Improvements
2	East Kapolei Rail Station Multimodal Access Improvements, Oahu, Hawaii	7	General Civil Engineering Services for Pavement Preventive Maintenance, Statewide, Project Assignment Order #2: Interstate Route H-1 Rehabilitation, Middle Street to Vicinity of Ward Avenue
3	Farrington Highway Intersection Improvements at Nanakuli Avenue and Haleakala Avenue, Island of Oahu, Hawaii	8	Kamehameha Highway Realignment, Vicinity of Laniakea Beach
4	County of Hawaii's Hakalau Stream Bridge (Bridge No. 29-3) Emergency Repairs, Hilo, Island of Hawaii, Hawaii	9	Hardy Street Improvements
5	Kauai Emergency Flood Repairs and Cleanup at Various Locations April 2018, Northern and Eastern Kauai, Island of Kauai, Hawaii	10	Honoapi'ilani Highway Improvements

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION AT YOUR DISCRETION. ATTACH ADDITIONAL SHEETS AS NEEDED.

Additional information is presented in the Firm Qualifications section.

I. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

31. SIGNATURE	32. DATE
	June 30, 2023

33. NAME AND TITLE

Randall M. Urasaki, Senior Vice President, Director – Local Business Leader

ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER *(If any)*: OH.4) Community Planning (Environmental Assessment)

PART 11- GENERAL QUALIFICATIONS

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

2a. FIRM (OR BRANCH OFFICE) NAME: **WSP USA Inc.**	3. YEAR ESTABLISHED: Honolulu Office-1966 / 4. Unique Entity Identifier: C52ATLNG1MJ9
2b. STREET: 1001 Bishop Street, ASB Tower, Suite 2400	5. OWNERSHIP
	a. TYPE: Corporation
2c. CITY: Honolulu / 12d STATE: HI / 12e. ZIP CODE: 96813	b. SMALL BUSINESS STATUS
6a. POINT OF CONTACT NAME AND TITLE: Randall M. Urasaki, Senior Vice President, Director – Local business Leader	7. NAME OF FIRM *(if block 2a is a branch office)*: WSP USA Inc.
6b. TELEPHONE NUMBER: 808-566-2260 / 6c. EMAIL ADDRESS: randall.urasaki@wsp.com	
8a. FORMER FIRM NAME(S) *(If any)*: Parsons Brinckerhoff Quade & Douglas until 11/2006 PB Americas, Inc. until 11/1/2011 Parsons Brinckerhoff, Inc. until 05/2017	8b. YR. ESTABLISHED: 1933 / 8c. Unique Entity Identifier: 05-666-8700

9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. No. of Employees (1) FIRM	c. No. of Employees (2) BRANCH
02	Administrative	1533	2
07	Biologist	42	1
08	CADD Technician	245	4
12	Civil Engineer	1159	19
24	Environmental Scientist	473	6
29	GIS Specialist	53	2
	Other Employees	5392	
Total		**8897**	34

10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

a. Profile Code	b. Experience	c. Revenue Index
A06	Airports; Terminals and Hangars; Freight Handling	1
B02	Bridges	2
C15	Construction Management	4
D04	Design-Build - Preparation of Requests for Proposals	1
E09	Environmental Impact Studies; Assessments or Statements	3
E11	Environmental Planning	3
H01	Harbors; Jetties; Piers; Ship Terminal Facilities	1
HO7	Highways; Streets; Airfield Paving; Parking Lots	6
I06	Irrigation; Drainage	4
L01	Laboratories; Medical Research Facilities	1
L03	Landscape Architecture	5
P05	Planning (Community, Regional. Area wide and State)	5
P06	Planning (Site, Installation and Project)	1
R03	Railroad; Rapid Transit	3
S13	Storm, Water Handling & Facilities	4
T03	Traffic and Transportation Engineering	3

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS

(Insert revenue Index number shown at right)

a. Federal Work	10
b. Non-Federal Work	10
c. **Total Work**	10

PROFESSIONAL SERVICES REVENUE INDEX BY NUMBER

1. Less than $100,000
2. $100,000 to less than $250,000
3. $250,000 to less than $500,000
4. $500,000 to less than $1 million
5. $1 million to less than $2 million
6. $2 million to less than $5 million
7. $5 million to less than $10 million
8. $10 million to less than $25 million
9. $25 million to less than $50 million
10. $50 million or greater

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts,

a. SIGNATURE

b. DATE: * May 2022

c. NAME AND TITLE: Randall M. Urasaki, Senior Vice President, Director – Local Business Leader

***Reflects staff and revenue as of this date**

FIRM QUALIFICATIONS

WHO WE ARE

Established in 1933, WSP USA Inc. (WSP) has over 90 years of engineering experience.

Resources Available: The Honolulu office was opened in April 1966 and our current local Honolulu staff numbers 42, including 16 licensed professional engineers, two certified inspectors in sediment and erosion control (CISEC), and two AICP professionals. The Honolulu office is highly capable of providing professional services to assist the County in the planning and design of public works projects.

We are very interested in providing planning and design services to the County of Hawaii. We have a broadly capable, flexible and knowledgeable staff with skills in planning and design readily available to work with the County's staff. We offer a strong, locally experienced team with knowledge in all phases of federal-aid and non-federal-aid roadway projects. This team will be highly responsive to the County's requirements.

The three most prominent qualities that WSP will bring to the County of Hawaii are below:

— Extensive relevant experience with federal-aid and non-federal aid projects.
— High technical competency in project management, planning and design.
— Project Engineers with access to a large pool of technical and management resources.

Some other advantages that our firm offers include:

— Over 57 years of success in delivering projects in Hawaii.
— Depth, breadth and quality of planning and engineering resources, anchored in Honolulu.
— "One-stop shopping" resulting in faster and better work production,
— Project managers with experience in all phases of planning and design.
— Complete familiarity with the Federal, State and county standards and procedures.
— Long-standing relationship with Federal, State and county regulatory agencies.

Our management approach provides the team with the advantage of operating as a local firm with rapid response to the County's needs, while simultaneously having access to resources and expertise of a large, multi-disciplined consulting firm. Team members have worked on projects that range in sizes from small intersection improvements to major roadway construction contracts. The volume of repeat clients testifies to the level of client satisfaction WSP enjoys on small, as well as large projects.

We have extensive experience in the preparation of plans, specifications and estimates (PS&E) for public works projects in the State of Hawaii, and have a proven repeat-business track record that attests to our capability to produce quality work on time and within budget.

Commitment to Equal Opportunity: WSP is firmly committed to the principles and practices of Equal Opportunity and has demonstrated such commitment in the past through hiring and through the selection of qualified Disadvantaged Business Enterprise (DBE) and Woman-Owned Business Enterprise (WBE) firms for participation on project teams.

We take our commitment to diversity as seriously as we take our commitment to technical excellence. In order for our commitment to be of real value, we recognize that it is not enough to simply assign DBE firms a role on our project team, but rather to match firm capabilities, interests and opportunities for growth with

meaningful roles. If selected for a project assignment, we will strive to include DBE firms to the maximum extent practicable.

EXPERIENCE OF WSP USA INC HONOLULU PROFESSIONAL STAFF

				Planning				Design									CM/PM			GIS
Name	Years Experience	Principal	Project Manager	Environmental Planning	Permitting	Community Outreach/Education	Transportation	Civil - Highways	Hydraulics/Hydrology	Water	Stormwater Management	Wastewater	Best Mgmt Practices	Traffic/Transportation	Structural	Geotechnical	Construction Mgmt	Inspection	Program Management	Geographic Inf. System/AMS
Agyeman, Nana (CAPM)	13							●	●											
Amemiya, Everett	1							●												
Andrade, Gerald (PE, CISEC)	30		●		●			●	●	●	●		●			●	●	●		●
Bautista, Nick	12							●	●		●									●
Bueno, Valentin (PE)	28		●		●			●	●	●	●	●	●				●	●		
Chinen, Darin (PE)	34	●	●		●			●				●	●	●			●		●	
dela Cruz, Eugenio	32							●	●	●		●		●						
Fujii, Paul (PE)	40		●		●			●	●	●	●		●						●	
Gochenouer, Benjamin	3			●	●															●
Higa, Justin	3								●		●									●
Ho, Douglas	5							●						●			●			
Hughes, Makanilealea	1			●	●															
Kam, Allen	30		●	●	●	●														
Karamatsu, Lara (PE)	19		●		●			●	●		●		●						●	●
Kasamoto, Robin (PE)	25		●		●			●	●		●	●	●				●	●		●
Koskelo, Antti	16			●					●		●									●
Lau, Ethan	1			●	●	●														●
Malaluan, Randall	54																	●		
Matsunaga, Phillip (PE)	20		●				●							●						
McClellan, Malie	19			●	●														●	●
Nakamoto, Meagan	2							●												
Nakasone, Trevor	3										●									
Nishioka, Todd (PE)	26		●	●	●	●		●			●		●							
Ohtomo, Nami	30		●	●	●	●	●				●		●	●			●		●	●
Reichelderfer, Jan (CPG)	38		●	●	●						●								●	
Salvador, Joseph (PE)	19		●					●	●		●	●	●					●		●
Sato, Larissa (PE)	36		●	●	●	●		●			●		●				●	●	●	
Silva Jr, Dennis (AICP)	26		●	●	●	●	●												●	

EXPERIENCE OF WSP USA INC HONOLULU PROFESSIONAL STAFF

				Planning				Design									CM/PM			GIS
Name	Years Experience	Principal	Project Manager	Environmental Planning	Permitting	Community Outreach/Education	Transportation	Civil - Highways	Hydraulics/Hydrology	Water	Stormwater Management	Wastewater	Best Mgmt Practices	Traffic/Transportation	Structural	Geotechnical	Construction Mgmt	Inspection	Program Management	Geographic Inf. System/AMS
Small, Matthew (AICP)	22			●	●	●													●	●
Sugibayashi, Jason (PE)	16				●			●	●				●							●
Torres, Selena	7							●			●									●
Urasaki, Randall (PE, LEED AP)	36	●	●		●			●	●	●	●		●				●		●	
Uyeda, Pamela (PE, LEED AP, CISEC)	27		●		●			●	●	●	●		●							●
Weiss, Amber	1								●		●									●
Wong, Kevin (PE)	48		●		●			●	●		●		●				●	●	●	●
Yoshioka, Wayne	43		●				●							●						

QUALIFICATIONS, EXPERIENCE AND CAPABILITIES OF WSP

ENVIRONMENTAL PLANNING

PREPARATION OF ENVIRONMENTAL DOCUMENTS

We have extensive experience and a thorough knowledge of both State and Federal regulations in the preparation and processing of environmental impact statements (EIS), categorical exclusions (CatEx), environmental assessments (EA),and Section 4(f) evaluations.

The following projects are examples of our services in this area:

— Farrington Highway Improvements at Nanakuli and Haleakala Avenues
— Fort Barrette Road Widening
— Honolulu High-Capacity Transit Corridor

PERMITS

WSP has gained extensive experience and a thorough knowledge of State of Hawaii and Federal regulations and guidelines in the preparation and processing of national pollutant discharge elimination system (NPDES) permits, grading and grubbing approvals, hazardous materials coordination and procedures, and many other environmental procedures and documents. Examples of our capabilities in this area include the Big Island Earthquake Assistance project, Waipio Point Access Road project, Kaumualii Highway – Permitting Support for Final Design project, Statewide Storm Water Management Program, and many other projects.

Selected Environmental Experience

Legend: C = Telecommunications
P = Port
R = Road
T = Transit
I = Other Infrastructure
E = Emergency

	Type of Facility	Environmental Documentation: NEPA: Categorical Exclusion	NEPA: Environmental Assessment/FONSI	NEPA: Environmental Impact Statement/ROD	NEPA: Supplemental EIS	NEPA: National Environmental Policy Act	HEPA: Exemption	HEPA: Environmental Assessment/FONSI	HEPA: Environmental Impact Statement	HEPA: HRS Chapter 343	Public Hearing / Meetings	Task Force	Section 4(f)	Permits and Approvals: CZM Consistency Determination	Department of the Army Permit (Sec. 404)	Water Quality Certification (Sec. 401)	Stream Channel Alteration Permit	MHPA Section 106, including MOAs	ESA Section 7 Consultations	Conservation District Use Permit	Special Management Area Use Permit	NPDES	Noise Variance	Underground Injection Control	FAA Approval	Letter of Map Revision (FEMA)	Navy Site Plan Review	Building Permit	Grading Permit	Environmental Studies: Hazardous Waste Assessment	Phase 1 Site Assessment	Historic and Archaeological Study	Wildlife/Avi-Faunal	Botanical	Jurisdictional Determinations	Floodplain Studies	Wetland Delineation	Noise and Vibration Studies	Air Quality Studies	Farmland Conversion Assessment	Visual and Aesthetic Studies	Socio-Economic	Regulatory Appraisal
Maui Storm Water Management Program	R/P																						●																				
Route 11 Widening, Henry Street to Kamehameha III Road	R		●			A		●		I	●			●	●	●	●	●	●											●		●	●	●	●			●	●		●	●	●
Oceanic Institute, Feeds Research and Pilot Production Facility, H	I		●			A		●		A				●				●	●			●								●		●	●	●				●				●	
Phase 15, Honolulu Traffic Signals	R	●				C	●			C				●				●	●													●											
Phase 16, Honolulu Traffic Signals	R	●				C	●			C				●				●	●			●										●											
H-1 Rehabilitation, Middle Street to Ward Avenue	R	●				C		●		A	M		●	●				●	●			●	●							●		●			●			●			●	●	
Hardy Street Improvements (Kauai) RfQ	R	●				C	●			C				●				●	●																								
Honoapiilani Highway Realignment/Widening	R			●		I			●	I	M	●	●	●	●	●	●	●	●			●	●						●		●	●		●	●	●	●	●	●	●	●	●
Honolulu Rail Transit Project (2010)	T			●		I			●	I	H		●	●	●	●	●	●	●		●	●	●		●				●	●	●	●	●	●	●	●	●	●	●	●	●	●
Kamehameha Highway Realignment, Vicinity of Laniakea Beach	R		●			A		●		A	M	●	●					●	●														●									
Kauai Flood Roadway Repairs (following 2012 floods)	R/E	●				C												●	●			●											●									
Kuakini Hwy Improvements - Phase 2 (Hualalai to Alii)	R		●			A		●		A	M		●	●				●	●											●		●	●	●	●			●	●				
Oneo Lane (previously Nani Kailua Extension)	R							●		A	M																																
NELHA Internal Roadway Planning and Design	R	●				C		●		A				●				●	●														●									●	
Permanent BMPs (Windward Oahu)	R						●			C												●											●	●									
Piilani Highway - Ohukai Road Intersection Improvements	R	●				C	●			C				●					●		●	●																					
Thirty Meter Telescope	I								●	I	H									●		●	●							●		●	●	●				●	●		●	●	●
Ala Moana Trunk Sewer Rehabilitation	I						●			C												●	●																				
Alternative Energy Permitting Guidebooks	I																																									
Farrington Highway Intersection Improvements	R	●				C		●		A	M		●	●				●	●		●	●										●			●			●	●			●	●
Oahu Regional Transportation Plan, 2035	R										M																																
Rehab of Streets (Oahu)	R																					●	●																				
Earthquake Roadway Repairs (following 2006 Kaholo Quake)	R/E	●				C								●				●	●			●											●		●	●							
H-1 Interstate Rehabilitation, Pearl City and Waimalu Viaduct	R	●				C	●			C												●	●																				●
Statewide Noxious and Invasive Plant Program	R																																	●									
Fort Weaver Road Widening Design/Build	R										M			●	●	●	●																										●
Pearl City Dewatering Facility (Under SSWMP)	I							●		A	M							●																									
Statewide Storm Water Management Program (SSWMP)	R																					●																					
Waipio Interchange	R	●				C							●					●														●	●						●			
Kamehameha Hwy - Waihona to Center	R											●																												●	●		
Kaumualii Highway Improvements	R		●			A		●		A			●	●	●	●	●	●	●			●							●		●		●	●	●	●	●		●	●	●		●
Environmental Permitting Guidance Manual	R	●	●	●	●	I	●	●	●	I	I		●	●	●	●	●	●	●	●	●	●	●	●		●			●	●	●	●	●		●	●	●	●	●	●	●	●
Fort Barrette Road Improvements, Farrington Hwy to Roosevelt A	R	●				C		●		A	M		●	●				●	●			●								●		●	●	●				●	●	●	●		
Kailua High School Alt Access Road	R							●		A								●	●											●	●	●	●	●				●			●	●	
Sandwich Isles Telecommunications	C		●			A		●		A	H			●	●	●	●	●	●	●	●	●	●					●	●		●		●					●			●	●

C = Categorical Exclusion; A = Environmental Assessment; I = Environmental Impact Statement; S = Supplemental EIS

C = Exempt; A = Environmental Assessment; I = Environmental Impact Statement

M = Meeting; H = Hearing

PUBLIC PARTICIPATION MEETINGS

Public participation efforts can be a key part of successful projects. The following are examples of projects in which we had an active public involvement program:

- Honolulu High-Capacity Transit Corridor
- Honoapiilani Highway Widening/Realignment
- Kamehameha Highway Improvements, Waihona Street to Center Drive
- Statewide Storm Water Management Program – the public outreach portion won several awards

ENVIRONMENTAL COMPLIANCE SERVICES

We have extensive experience and a thorough knowledge of State of Hawaii, county, and Federal Highways Administration (FHWA) regulations and guidelines in the preparation and processing of EAs, findings of no significant impact (FONSIs), CatExs, Section 106 memoranda of agreement (MOAs), Section 7 coordination, wetlands delineations and functions and values assessments, U.S. Army Corps of Engineers (USACE) permits, NPDES permits, grading and grubbing approvals, compliance with Section 343 of Hawaii Revised Statutes, hazardous materials coordination and procedures, Burial Council approvals, and many other environmental procedures and documents. Examples of our capabilities in this area include the Interstate Route H-3 project, the Farrington Highway Improvements at Nanakuli and Haleakala Avenues project, the Statewide Storm Water Management Program, and most of the other projects presently underway in the office. These projects all involve the coordination of numerous professionals with expertise spanning a broad range of disciplines.

COMPUTER IMAGING

To respond to community concerns regarding potential visual impacts of a project and the successfulness of proposed visual mitigation techniques, WSP can provide computer-generated visual simulations. We have developed a unique computer rendering process which can accurately depict projects from conceptual planning through construction and operations. Using a combination of 3D computer modeling, scanned photography, and high resolution computer painting and retouching techniques, our firm has produced images of the Castle Junction Rockfall Protection, Thirty Meter Telescope EIS and Historic Preservation Process, and Honolulu High-Capacity Transit Corridor projects.

GEOGRAPHIC INFORMATION SYSTEM (GIS)

WSP has successfully used GIS technology as both a tool in every day planning and design services, as well as in providing highly customized technical services, and has innovatively applied GIS technology for a variety of federal-aid, State, City, and private infrastructure and transportation projects. Assignments have included the design, development, and implementation of web applications for progressive asset and program management. The firm has also built comprehensive inventories/databases for island-wide studies, incorporating Global Positioning Systems (GPS) technology into a seamless web-based application, resulting in up-to-date, field verified information that is readily available to all users over the worldwide web. In addition to application and data development, we have successfully employed GIS on a wide range of infrastructure projects, including transportation corridor (highway and railroad) analyses, site selection

analyses (Statewide), regional planning and major investment studies, environmental impact and natural resource management projects, utility, and facility projects.

Our GIS software capabilities include: ArcInfo; ArcEditor; ArcView/ArcMap; ArcGIS Engine; ERDAS Imagine; Intergraph MGE and GeoMedia; MapInfo; AutoCAD Map; TransCAD, as well as Pathfinder Office and Terrasync for GPS field work. We have the capacity to code GIS based applications using Java, and Visual Basic programming languages. For database management, we have the capability to integrate, and produce data in many file formats as well as link spatial data with PC and multi-user databases, such as Access, SQL Server, and Oracle.

One of our recent project experience with GIS mapping and application development is the creation of an asset management system under our contract with Hawaii Department of Transportation (HDOT) to develop a Statewide Storm Water Management Program (SSWMP).

WATER QUALITY MONITORING

We have experience in stormwater quality monitoring using automated refrigerated samplers for both in-stream and end-of-pipe applications. A typical site is equipped with a rain gage, area velocity flow meter or bubbler, data logger, automated refrigerated sampler, cellular modem for remote access, and power source (batteries with photovoltaic backup). We have also conducted grab samples and collected various Quality Control (QC) samples to identify, quantify, and document any bias and variability in the data that results from the collection, processing, transportation, and/or handling of the samples. The sampling results have been used to calculate Event Mean Concentrations (EMC) for specific land uses which have been used to demonstrate compliance with Total Maximum Daily Load (TMDL) requirements.

ENVIRONMENTAL PROTECTION AGENCY (EPA) CONSENT DECREE COMPLIANCE SERVICES

We have extensive experience in EPA Consent Decree compliance, having developed and managed HDOT's SSWMP in response to HDOT's EPA Consent Decree. We also have extensive experience in working with the State of Hawaii, Department of Health, Clean Water Branch's engineering and enforcement sections with regards to the NPDES and 401 WQC requirements. Similarly, we have worked with the Department of Health, Solid Waste Program's personnel on permitting and compliance issues. Examples of our capabilities in this area include the SSWMP and EPA Public Outreach and Training Program (Both with HDOT). These projects involve the coordination of numerous professionals with expertise spanning a broad range of disciplines.

CIVIL ENGINEERING

Our civil engineers have a broad range of design experience on federal-aid and non-federal-aid projects and have the skills and knowledge to take a project from preliminary design through final design, and including construction management. Constructibility, with special consideration for maintenance of traffic, property adjustments, utility relocations, environmental protection, and other constraints, is our specialty in the preparation of construction plans and specifications. The NELHA Airport Connector Roads and Other Roads on Host Park and Farrington Highway Improvements at Nanakuli Avenue and Haleakala Avenue are examples of our capabilities in this area. Our civil engineering staff is experienced in the latest State and Federal standards and requirements, and is capable of providing the following services:

- Conceptual Design Studies
- Program Management

— Project Management
— PS&E Preparation
— Construction Management

HYDROLOGY AND HYDRAULICS DESIGN

We have extensive experience in hydrology and hydraulics. Our projects have advanced the state-of-the-art and have won numerous awards for engineering technology, and have designed open channels and closed conduit, storm drain systems, catch basins, energy dissipater structures, inlets, and outlets.

Examples of our drainage designs and stream improvements in Hawaii include Waimanalo Flood Control and Drainage, Interstate Route H-3, Moanalua Road, and Keehi Interchange. For the Hawaii Water Systems Technical Studies Program Statewide Dam Break Analyses State of Hawaii for the USACE/Department of Land and Natural Resources (DLNR), our team was tasked with performing field investigations, hydrologic and hydraulic modeling of various dam break scenarios, and flood inundation mapping for the Puu Lua Reservoir on the island of Kauai and the Kualapuu Reservoir on the island of Molokai. In addition, we provided services on the Central Oahu Watershed Study, Phase 2 for the USACE/City and County Department of Environmental Services. On that project, the team was tasked with selecting an appropriate watershed model and then applying that model to the Waikele watershed.

CIVIL/SITE DEVELOPMENT DESIGN

Our engineers are very proficient in site development services, including grading, access roads, parking lots, water and wastewater facilities, fencing, etc. The NELHA Airport Connector Roads and Other Roads on Host Park and HART On-Call Construction Contractor projects are examples of our capabilities in this area.

ROADWAY REHABILITATION DESIGN

WSP has been contracted by the City and County of Honolulu (City), Department of Design and Construction (DDC) to design roadway rehabilitation projects for various streets in Honolulu. Design responsibilities included field reconnaissance of existing conditions for roadway, sidewalk, curb and gutter, and drainage facilities; preparation of plans and specifications, and coordination with the City's Department of Facility Maintenance on proposed remedial work; coordination with the City's Department of Transportation Services on replacement and/or modifications of existing pavement markings; and preparation of bid documents and addenda for project construction contracts. Responsibilities during construction included design support services for preparation of Post Contract Documents (PCD), and review of contractor submittals and requests for information (RFIs).

SEWER DESIGN

We are experienced in sewer rehabilitation work throughout various communities on the island of Oahu. The work involved rehabilitating small mainline sewer systems using the cured-in-place pipe method as well as replacing deteriorated sections of sewer line. Also included in this work was the rehabilitation of existing sewer manholes.

WSP is experienced in the conversion of Large Capacity Cesspools (LCC) and the permitting as required by EPA and the Department of Health. We have performed Cesspool Conversion studies for the USACE at the Pohakuloa Training Area and Kilauea Military Camp (KMC) on the island of Hawaii. For KMC, we designed 18 Individual Water Systems (IWS), converting 16 cesspools, abandoning two cesspools and obtaining all

necessary permits. Permits for the conversion work included obtaining Approval to Construct, the IWS Variance, Construction Inspection and Approval to Use letters from the Department of Health (DOH), Wastewater Branch; permit to operate and a permit to abandon from DOH Safe Drinking Water Branch; and a NPDES permit from DOH Clean Water Branch.

TRENCHLESS TECHNOLOGY

The Honolulu office staff has incorporated trenchless technology design in the H-3 Roadway Finish Unit II project in Aiea where micro-tunneling design solutions were used for waterline installation under the heavily traveled H-1 Freeway to minimize disruption to traffic.

Our available technical resources include individuals at the forefront of the advance of trenchless technology. Several are members of the North American Society of Trenchless Technology (NASTT) and sit on various committees. We offer services including feasibility studies; cost comparisons of micro-tunneling vs. conventional trenching; preparation of plans and specifications; and development of initial support systems for larger tunnels.

ROADWAY SAFETY IMPROVEMENTS

We are fully knowledgeable in the latest Federal requirements for guardrails and other roadway features. We have trained staff familiar with AASHTO's Roadside Design Guide and with the National Cooperative Highway Research Program's Report 350.

TRANSPORTATION PLANNING/TRAFFIC ENGINEERING

The Honolulu office has extensive experience in transportation planning studies including traffic impact studies, alternative analyses, transportation system management (TSM) studies, high occupancy vehicle (HOV) planning and transit planning. Our traffic engineering experience includes highway and intersection capacity analyses, traffic signal design and optimization, and the development of maintenance of traffic plans.

TRAFFIC IMPACT ASSESSMENT SERVICES

We have conducted numerous traffic impact analyses throughout Hawaii and are aware of the types of issues that are often raised. Our strengths lie in our ability to listen to those issues and in our comprehensive knowledge and experience base that help us develop cost-effective solutions to those issues. The Waimea Circulation Study is an example of our ability to address community concerns.

TRAFFIC SIGNAL DESIGN

WSP is experienced in traffic signal design for standalone and for multi-signal systems applications. Our staff is familiar with state-of-the-art signal design elements and has completed traffic signal installations in Hawaii. We are familiar with local practices for signal design and in preparing PS&Es according to HDOT and FHWA standards. We are also committed to thoroughly understanding the project issues so that the traffic signal is well integrated with the intersection in terms of signal phasing, signal timing, and intersection channelization.

TRAFFIC CONTROL

Many design and construction projects require complex traffic control plans or detour plans to re-route traffic. The transportation / traffic group provides expertise in providing innovative and creative solutions to minimize traffic impacts during construction. The Farrington Highway Improvements at Nanakuli Avenue and Haleakala Avenue and Interstate Route H-1 Rehabilitation projects are examples of our capabilities in this area, where high volumes of traffic flow had to be maintained during the construction of highways and complex highway interchanges in urban areas of Honolulu.

CONSTRUCTION/PROGRAM MANAGEMENT

CONSTRUCTION MANAGEMENT

Our firm provided construction management services for the Interstate Route H-3 Trans-Koolau Tunnel project which was constructed through six separate construction projects: Halawa Approach and Tunnels, Haiku Approach and Tunnels, Ventilation Fans, Traffic Control Systems, Tunnel Mechanical / Electrical / Architectural Finishes, and Exploratory Tunnel Finishes. Our construction management staff dealt with the complex challenges of coordinating and interfacing unique construction contracts into the final tunnel product. We provided the overall construction management of multiple contractors, construction engineering, post-design services, and construction inspection services. At the peak of this project, nine engineers and 17 inspectors were part of the on-site construction management staff provided by our firm.

We provided full construction management services for Interstate Route H-3. Our management responsibilities included assisting the HDOT in implementing construction management techniques such as dispute review boards, value engineering analysis, partnering, and planning coordination.

Currently, we are providing engineering and inspection services for pavement preservation projects at various locations on Oahu. Work includes engineering and inspection duties under the direction of a City project manager.

The Honolulu engineering staff also provides engineering support during construction, permit application support, value engineering support, and claims resolution.

PROGRAM MANAGEMENT

We are providing program management services for the City's rehabilitation of streets program. Work includes coordination of City in-house designs, preparation of standard specifications and plan details, and miscellaneous program management services.

We provided full program management services for the Interstate Route H-3 project which included the development of standards, methods, criteria and procedures for the design process; project scheduling; preparation of design scopes for section engineers, and supervision and coordination of design teams. Our services further included:

- Review of numerous studies, design plans, specifications and estimates prepared by section engineers
- Assistance and guidance to section engineers in resolving technical and environmental issues
- Preparing applications for numerous permits
- Participation in public hearings/meetings in support of permit applications
- Monitoring of environmental compliance
- Construction support

MISCELLANEOUS

ABILITY TO COMPLETE PROJECT ON TIME

We have the "full service" resources necessary to provide quality services within necessary schedule requirements. The scheduling method we utilize on our projects includes preparing milestone summary schedules that establish the major work task sequences, interrelationships, and critical milestones for the project. These milestones are developed and approved with the client, and become the basis for all further schedule development.

COST CONTROL AND SCHEDULING TECHNIQUES:

To control the costs of its services, we utilize a cost and schedule control system for all our projects. Our computerized management information system (MIS) monitors cost on a project-by-project basis. The MIS provides a biweekly breakdown of costs attributed to the project. This frequent reporting allows our project managers to track project costs against schedule and helps preventing project overruns. Our system assists project managers in identifying and rectifying discrepancies in a timely manner. The system also enables us to maintain accurate information for client billing.

Historically, our cost and schedule control system has been extremely effective by minimizing design costs as well as reducing time required to complete projects. Typically, Microsoft Project software is used to track project performance schedules.

Our cost and schedule control system provides four major benefits to the project:

- It serves as the basis for decision making since there is a single, clearly defined scope of work and schedule.
- It serves as the basis for reporting. Detailed reports are available for in-house review and the same data is used for client reports.
- It provides a well-documented, clear record of performance.
- It establishes a base for corrective action evaluations, if required.

CADD CAPABILITY

Virtually all design drawings and exhibits prepared by the Honolulu office are done on CADD systems. The Honolulu office is equipped with PC computer-aided design and drafting work stations utilizing both Bentley (Microstation/Inroads) and Autodesk (AutoCAD/Civil 3D) design and drafting software and has personnel on staff knowledgeable of both systems. Plotting is accomplished via OCE (a Canon Company) electrostatic and Hewlett-Packard ink jet plotters.

COMMUNICATIONS

The Honolulu office is connected to WSP's Wide-Area Network (WAN) that electronically connects most of the firm's offices in the U.S. The WAN allows the rapid exchange of documents, drawings, e-mail, and other data. There are many benefits which can be gained, including expedited decision making, and reduced travel time and expenses, but most importantly, it is a tool to provide improved services to our clients through accessibility and efficient communication.

PROJECTSOLVE² (PS2)

One effective method of communicating project information is the use of ProjectSolve®, our proprietary web-based project management software platform. PS2 has been implemented and successfully utilized by over 200 clients in the Transportation, Construction, Facilities Management, Telecommunications, Rail, FEMA, and Program Management industries. It was developed in response to the growing demand for centralized information management and decision support in the midst of today's decentralized project teams and distributed production environments. Fast, efficient, user friendly, and easy to deploy, Websites developed using PS2 allow each project team to consolidate and coordinate information and activities from anywhere in the world using an Internet connection. We can customize PS2 for specific business practices, offering a comprehensive array of implementation and support services.

QUALITY CONTROL PRACTICES/TECHNIQUES

We have attained ISO 9001 certification. This assures our clients that our quality system is in compliance with the highest standards of the profession. We have standardized procedures for maintaining quality and projects are audited internally for conformance with the procedures.

In addition, the firm maintains two vigorous programs to foster a commitment to quality in the professional management and execution of projects:

- QA/QC: our project manager will prepare a project quality control plan specifically for each project.
- QIS: As part of our commitment to producing the highest quality work, the firm also implements a Quality Improvement Systems (QIS), which is based on the principles of Total Quality Management (TQM). The quality improvement initiative is a complement to, not a replace of, the existing QA/QC system.

The project manager has overall responsibility for implementing a comprehensive and appropriate QA/QC program which forms the foundation of the quality control program. Our approach to controlling technical quality and minimizing design errors can be summarized as follows:

- Assignment of appropriate technically qualified personnel to the project.
- Prompt communication of project requirements to the technical staff.
- Independent technical review of project deliverables by qualified senior staff prior to submittal to the client.
- Frequent reviews and performance assessment by all levels of management.

We have developed our own Quality Manual and the Honolulu staff has received training in the application of the quality process. Our staff recognizes the importance of adherence to the quality process that includes the following:

- Preparation of a Project Quality Plan
- Checking and Backchecking Procedures
- Reviews by Project Manager
- Peer Reviews
- Constructibility Reviews
- Documentation

ERRORS AND OMISSIONS

Any time a design error is discovered or any other unforeseen condition arises during construction, we are committed to assigning highest priority to addressing the issue at the earliest possible time. Our staff is

acutely aware of and recognizes that any construction issues, including design errors, requests for clarification, or construction problems, must be resolved without delays so that the contractor may proceed unimpeded. Our staff also recognizes that determining the causes of errors or problems are of secondary importance and should be deferred until the issue is resolved.

GERALD D. ANDRADE, PE, CISEC

Vice President, Civil Engineer

29 years with the firm

29 years total

Professional qualifications

Professional Engineer Hawaii (#10377), 2001

Certified Inspector Sediment and Erosion Control (CISEC), 2010

Education

B.S., Civil Engineering, University of Hawaii, 1994

Areas of practice

Project Management

Environmental Permitting

Civil Engineering

Hydraulics/Hydrology

Best Management Practices

Geotechnical

Construction Management

Inspection

Geographic Information Systems/Asset Management System

CAREER SUMMARY

Gerald Andrade is a project manager and civil engineer with experience in preparing hydrologic analyses, hydraulic models, and scour analyses. His design experience includes highway design, construction traffic control design, ADA curb ramp design, traffic signal design, water distribution system design, retaining wall design and deep foundation design as well as the preparation of plans, specifications, and estimates (PS&Es). He is also experienced in construction management and inspection for various project types including curb ramp projects, intersection improvement projects, pavement reconstruction and rehabilitation projects, roadway widening projects and bridge construction projects.

PROFESSIONAL EXPERIENCE

- Hana Highway Emergency Culvert Repairs at Waipio Stream (2021), Waipio, Maui: project manager (PM) for the project which consists of the preparation of environmental documentation under Governor Emergency Proclamation and design PS&E package development for the full replacement of a culvert crossing under Hana Highway at Milepost 3. Major elements of the project include development of a bypass road, temporary traffic control, and design of a precast concrete box culvert to be constructed utilizing a cut-and-cover approach.
- Interstate Route H-1 Safety Improvements Palailai Interchange to Waiawa Overpass, Ewa, Oahu (ongoing): project manager (PM) for the project which consists of the preparation of environmental documentation and design PS&E package development for the safety improvements along approximately 9 miles of Interstate Route H-1. Major elements of the project include shoulder resurfacing, high friction surface treatments on ramps, rumble strips, striping and drainage improvements.
- Maui Storm Water Management Program, Maui, Hawaii (2019): project manager responsible for the development of a Storm Water Management Program for HDOT Maui District's Municipal Separate Storm Sewer System (MS4) permit. Program elements include the development of a GIS-based Asset Management System, Public Involvement and Public Education and Outreach programs, Construction Site Runoff Control program, Post Construction Storm Water Management Program (Permanent Best Management Practices), Good Housekeeping Program (Street Sweeping, Inlet Cleaning and Maintenance Facilities Management), and an Illicit Discharge Detection Program.
- Farrington Highway Intersection Improvements at Nanakuli Avenue and Haleakala Avenue, Oahu, Hawaii (on-going): project manager (PM) for the project which consists of the preparation of an environmental assessment (EA), permitting and PS&E package development for a 1 mile widening of Farrington Highway in Nanakuli. Major elements of the project include utility relocations, sidewalk and traffic signal improvements and the relocation of a historic railroad alignment.
- East Kapolei Rail Station Multimodal Access Improvements, Kapolei, Hawaii (ongoing): deputy project manager responsible for the development of environmental clearance coordination and design for multimodal access improvements along Kualakai Parkway in support of the Honolulu Rail Transportation Project. Major project elements include shared use path design, bus stop design, street lighting, striping and utility relocation.

VALENTIN (VAL) BUENO, PE

Assistant Vice President, Civil Engineer

20 years with the firm

31 years total

Professional qualifications

Professional Engineer, Hawaii (#12372), 2006

Education

Graduate Certificate, Public Health, 1995

B.S., Civil Engineering, 1993

Areas of practice

Environmental Permitting

Civil Engineering

Hydraulics / Hydrology / Wastewater

Best Management Practices

Construction Mgmt.

Inspection

CAREER SUMMARY

Val Bueno is a civil engineer with experience in highway and roadway design, construction site runoff control, transit engineering, drainage, utility relocation, Americans with Disabilities Act (ADA) accessibility design, individual wastewater systems (IWS) and wastewater treatment works (WTW) design, drafting and drafting standards. Val's responsibilities include highway and roadway design of high-speed highways and low speed roadways, performing spot checks of construction sites, reviewing best management practice (BMP) plans and amendments to BMP plans and reviewing storm water pollution prevention plans (SWPPP) for Hawaii Department of Transportation (HDOT) construction projects. For transit, street, utility, accessibility, and wastewater improvement projects, his duties included design and drafting coordination with teams of engineers and technical personnel. Val's responsibilities have included project scheduling, client presentations, and preparing construction documents, basis of design analysis reports and cost estimates.

PROFESSIONAL EXPERIENCE

- Honoapiilani Highway Improvements, Mile Post 10.5 to Milepost 18.0 (on-going): Lead Civil Engineer responsible for civil design of the roadway alternatives, plan and profile exhibits for the preparation of the EIS and the preparation of 30% plans for RFP documents.
- Kamehameha Highway Drainage and Safety Improvements, Vicinity of Laniakea Beach, MP 3.06 to MP 3.54 (on-going): deputy project manager and lead civil engineer responsible for the design and coordination of a team of engineers and sub-consultants working on the realignment of Kamehameha Highway. Duties included design and drafting of construction documents, preparation of design reports, agency review and coordination.
- Miscellaneous Permanent Best Management Practices on Oahu, Hawaii (2019): engineer responsible for the design of permanent BMPs along Interstate Route H-3, Kaneohe Bay Drive and Kamehameha Highway; preparation of final contract documents; and contractor submittal coordination.
- Natural Energy Laboratory of Hawaii Authority, Airport Connector Roads and Other Roads for HOST Park, Island of Hawaii, Hawaii (2020): engineer responsible for roadway modelling and waterline design.
- Pohakuloa Training Area and Kilauea Military Camp Class IV Injection Well Study, Island of Hawaii, Hawaii (2005): engineer responsible for collecting field data of existing class IV injection wells (cesspools), conceptual design of IWS, cost estimates and final study preparation.
- Farrington Highway Intersection Improvements at Nanakuli and Haleakala Avenues, Oahu, Hawaii (on-going): Val was the civil engineer responsible for coordination of the Farrington Highway Intersection Improvements including QA/QC review, design and coordination of utility relocations, preparation of final contract documents, and request for information (RFI) and Contractor submittal coordination.
- EPA-Public Education and Training Program, Oahu, Hawaii (2021): inspector responsible for coordinating site visits to assess the compliance of construction BMP's for HDOT projects, reviewing SWPPPs for HDOT construction projects, and also assisting in the development of annual BMP training material.

DARIN N. CHINEN, PE

Senior Vice President, Civil Engineer

34 years with the firm

34 years total

Professional qualifications

Professional Engineer, Hawaii (#7977), 1993

Education

M.B.A., University of Phoenix, 2005

B.S., Civil Engineering, University of Washington, 1988

Areas of practice

Project Management

Environmental Permitting

Civil Engineering

Construction Management

Program Management

CAREER SUMMARY

Darin Chinen is a senior supervising civil engineer experienced in the design and construction management of roadway projects. His project management duties include supervising and executing all project work and coordinating the necessary resources within WSP to deliver the project. He has also been involved with the management of consultant design contracts and submittals.

PROFESSIONAL EXPERIENCE

— Rehabilitation of Streets, Oahu, Hawaii (on-going): project manager responsible for the execution of various program and project management services. Project scope included planning and management of the City and County of Honolulu's rehabilitation of streets Capital Improvement Program (CIP). Program management tasks included preparation of annual CIP budgets, programming of new projects, tracking of program funds, and project management of individual consultant and construction contracts. Project design scope includes preparation of final plans, specifications, and cost estimate (PS&E), and coordination of permitting required for construction of various roadway projects on Oahu.

— Guardrail Improvements, FY 2014, Oahu, Hawaii (on-going): project manager responsible for the design of guardrail improvements at various locations. The project includes development of standard guardrail and end treatment details, guardrail designs, and traffic control plans. Project design scope includes preparation of final plans, specifications, and cost estimate (PS&E), and coordination of permitting required for project construction.

— Kapiolani Boulevard Reconstruction, Oahu, Hawaii (2015): project manager responsible for the design of this roadway reconstruction project. The project included reconstruction of existing asphalt concrete pavement, installation of Portland cement concrete (PCC) pavement bus lanes, pavement markings design, reconstruction of existing concrete curbs, concrete catch basin repair, and streetlight and traffic signal systems. Project design scope included preparation of final plans, specifications, and cost estimate (PS&E), and coordination of permitting required for project construction.

— Waipio Point Access Road Improvements, Oahu, Hawaii (2016): project manager responsible for the design of this roadway improvements project. The project included reconstruction of existing roadway, new pedestrian and bikeway facility, drainage and grading improvements, signing and striping, street lighting systems, utility relocations, and permanent best management practices. Project design scope includes preparation of final PS&E, drainage report and calculations, and coordination of permitting required for project construction.

— Curb Ramps at Various Locations, Oahu, Hawaii (2009): project manager responsible for providing construction management and inspection services for curb ramp construction projects at various locations on Oahu. Project scope included construction engineering and management of subconsultant construction inspection services. Construction engineering tasks included coordination and monitoring of contractor construction schedules, review of contractor Requests for Information (RFIs), preparation of monthly progress payments, and coordination and preparation of construction contract change orders for unforeseen site and field conditions.

— Peninsula at Hawaii Kai Off-Site Improvements, Oahu, Hawaii (2004): project manager responsible for the PS&E preparation for off-site improvements and development interfaces with City and County of Honolulu roadway facilities. Project scope included a new traffic signalized intersection with interconnect and modifications to the adjacent signalized intersection, ADA improvements, and striping modifications.

EUGENIO DELA CRUZ

Senior Consultant, Civil Engineer

Years with the firm

23

Years total

31

Education

A.S., Drafting Technology, Honolulu Community College, 1999

Areas of practice

Civil – Highways

Hydraulics / Hydrology / Wastewater

Traffic/Transportation

Languages

English

CAREER SUMMARY

Eugenio dela Cruz is a Civil Engineer in the Honolulu office with experience in roadway design, site grading, curb ramp design, signing and striping, hydrology and hydraulics, traffic signals and the preparation of plans, specifications, and estimates (PS&E).

PROFESSIONAL EXPERIENCE

- Natural Energy Laboratory of Hawaii Authority (NELHA) Airport Connector Roads, Kailua-Kona, Hawaii: civil task lead responsible for designing the connector road that connects NELHA to the Kona International Airport as well as provide access between Queen Kaahumanu Highway and the other roads within NELHA's property. Use of Civil 3D to design two lane roadway with side swales and crossing culverts for site drainage.
- Oceanic Institute Feeds Research and Pilot Production Facility, Kailua-Kona, Hawaii: civil designer responsible for grading project site using Civil 3D; providing ADA compliant parking lot and stalls; preparation of plans for site cross sections and signing and striping plans for parking lot, and details for pavement roadway construction.
- Kaumualii Highway Pavement Preventative Maintenance, Kauai, Hawaii: assistant civil designer responsible for prioritizing and assessing pavement damage on nearly 26 miles of road and mapping and cataloging of pavement damage with the use of GPS.
- Interstate Route H-1 Resurfacing from Middle Street to Vicinity of Ward Avenue, Honolulu, Hawaii: assistant civil designer responsible for signing and striping plans; spot elevation plans on portion of the highway reconstruction and traffic control plans with full closure of the Interstate.
- Middle Street Reconstruction, Honolulu, Hawaii: assistant civil designer responsible for curb ramp and sidewalk reconstruction that is ADA compliant and production of traffic control plan sheets.
- Lumahai Retaining Wall, Kauai, Hawaii: assistant civil designer responsible for spot elevations on reconstructed roadway pavement; striping plan with use of non-traditional pavement markings for enhanced safety and production of grading and traffic control plans.
- Traffic Control Signal, Phase XI, Honolulu, Hawaii: assistant civil designer responsible for traffic signal design rehabilitation on various locations in Oahu and production of all plan sheets.
- Traffic Signals, Phase 15, Honolulu, Hawaii: assistant civil designer responsible for traffic signal design for various locations on Oahu; curb ramp and sidewalk reconstruction compliant to ADA standards and plan and profile sheets production of new traffic signal conduits.
- Ala Moana Trunk Sewer Rehabilitation, Honolulu, Hawaii: assistant civil designer responsible for production of plan and profile sheets of rehabilitation of existing major sewer line running under Ala Moana Boulevard; production of sewer, pavement reconstruction and miscellaneous details sheets and traffic control plans.

PAUL N. FUJII, PE

Assistant Vice President, Civil Engineer

35 years with the firm

35 years total

Professional qualifications

Professional Engineer, Hawaii (#8261), 1994

Education

B.S., Civil Engineering, 1988

B.S., Mechanical Engineering, 1983

Areas of practice

Project Management

Environmental Permitting

Civil Engineering

Hydraulics/Hydrology

Best Management Practices

Program Management

CAREER SUMMARY

Paul Fujii, a civil engineer with more than 35 years of experience, has been heavily involved in design projects for WSP. His project work includes assisting in the preparation of numerous project plans, specifications, and estimates (PS&E) for the City and County of Honolulu Storm Water Quality Division (DFM-SWO), Board of Water Supply (BWS), Honolulu Authority for Rapid Transportation (HART); State of Hawaii Department of Transportation (HDOT); and other clients.

PROFESSIONAL EXPERIENCE

— NPDES Storm Water Monitoring Project, various locations on Oahu, Hawaii (current): lead civil designer for city's storm water quality monitoring stations. Paul is responsible for designing and permitting of automated water quality monitoring stations (15) for streams and outfalls; and stand-alone telemetered weather stations (7). Paul is assisting in the development of a Palolo watershed mitigation program involving right-of-entry negotiations and establishment of partnerships with private landowners.

— Barbers Point 215 Water System Improvements, Ewa, Oahu, Hawaii (current): project manager/lead civil designer for City's Barbers Point 215 WSI project. Paul is preparing plans for potable water reservoir waterline and drainline improvements. Paul coordinates with landowner's representatives, client, and subconsultants to meet project requirements.

— Honolulu Rapid Transit Project (HRTP), Honolulu, Hawaii (2014): drainage task leader for the HART's twenty-mile overhead transit system from East Kapolei to Ala Moana Center. Paul was responsible for the guideway drainage, roadway drainage, and station drainage for the twenty-mile project. Paul prepared the drainage criteria and wrote the permanent best management practice (BMP) planning concept report, which the transit drainage BMP designs are based upon. Paul reviewed contractor/designer submittals; and coordinated various drainage-related issues amongst the various transit contracts (WOFH, KHG, MSF, Airport Guideway, City Center Guideway, WOSG, KHSG, and ASG).

— Storm Water Management Program, various locations within the State of Hawaii (2008): design team program maintenance scheduler/task leader for erosion control BMP program/civil designer for HDOT Highway Division's storm water management program, which included the development of an asset management system for all of the Highway Division's facilities within the state; and BMP development and monitoring.

— Barbers Point 215 Water System Improvements, Ewa, Oahu, Hawaii (on-going): project manager/designer for the Barbers Point 215 WSI project. Paul is preparing conceptual plans for reservoir waterline and drainline improvements. Paul coordinates with client, and subconsultants to meet project requirements.

— Nimitz Highway 16-inch Water Main, Honolulu, Hawaii (2016): deputy project manager/designer for the Nimitz Highway 16-inch water main (Waikamilo to Sumner) project. Paul prepared the preliminary plans for the mile-long water main replacement project along one of Honolulu's most congested roadways. Paul also prepared the trenchless alternative design report, which provided an alternative design incorporating trenchless technology.

ALLEN KAM

Vice President, Environmental Planner

<1 Year with the firm

30 years total

Education

Juris Doctorate
Rutgers Schools of Law, Newark, NJ, 1999

B.S., Environmental Design, University of Massachusetts, Amherst, MI, 1994

Professional Certificate in Real Estate
New York University, New York, NY, 2005

Areas of practice

Program Management

Project Management

Master Planning

Strategic Planning

Natural Resource/ Environmental Planning

Environmental Permitting

Community Outreach/ Education

CAREER SUMMARY

Allen Kam is an environmental planner with experience in management of special projects, and an attorney experienced in land use laws, zoning regulations, and the regulatory frameworks at the County, State, and Federal levels. He is well-versed in a wide range of disciplines with a skillset that includes master planning, plan implementation, financial pro formas, community outreach, government relations, and property management.

Prior to joining WSP in 2023, Allen was the Planning Department Head at a Hawaii consulting firm, where he led a growing team of environmental professionals and coordinated efforts to expand the firm's services to meet the requirements of new and developing markets.

PROFESSIONAL EXPERIENCE

- Planning Department Head, Belt Collins Hawaii/B+K Consulting, Honolulu, Hawaii: Strategized project approaches to obtain land use approvals and entitlements, prepare community plans, and coordinated public engagement. Prepared and presented projects to clients, project executive teams, and the public. Prepared and processed environmental reviews at the National Environmental Policy Act (NEPA) and Hawaii State (Hawaii Revised Statutes [HRS] 343) level, as well as land use and zoning permits. Prepared master plans and community update plans, including strategizing the public engagement process. Coordinated and managed a team of subconsultants to fulfill project needs in multiple capacities.
- Commercial Property Manager, State of Hawaii Office of Hawaiian Affairs, Honolulu, Hawaii: Established a new Commercial Property department for the Office of Hawaiian Affairs (OHA). Created a development strategy for approximately thirty acres of waterfront property in Kakaako Makai. Oversaw and supervised master planning efforts and community outreach efforts for the Kakaako Makai Master Plan. Managed and supervised internal staff as well as teams of consultants that included professionals with a variety of focus and levels of involvement.
- Associate, Booz Allen Hamilton, Honolulu, Hawaii: Embedded consultant in Marine Forces Pacific, Defense Policy Review Initiative – Environmental Department. Assisted in the overall strategy and preparation of the Commonwealth of the Northern Mariana Islands (CNMI) Joint Military Training (CJMT) NEPA Environmental Impact Statement (EIS). Coordinated NEPA EIS contract tasks with Naval Facilities Pacific, supervised staff and external consultants. Acted as Interim Environmental Team Lead, briefing unit commander, Marine Forces Pacific (MARFORPAC) Executive Director and Headquarters, and U.S. Marine Corps (HQMC) staff on project updates.
- Undersea Cable Permitting Specialist, State of Hawaii Department of Department of Business, Economic Development & Tourism, Honolulu, Hawaii: Oversaw the preparation of the Hawaii Interisland Renewable Energy Program EIS. In conjunction with the state of Hawaii Office of Environmental Quality Control, developed a strategy to complete a legally-defensible programmatic EIS, despite significant ambiguous components, that satisfied the requirements of both HRS Chapter 343 and NEPA. Established and maintained relationships with various other Federal and State agencies, and in particular with the U.S. Department of Energy and U.S. Fish & Wildlife Services, negotiating roles for such agencies in the project to help mitigate the State of Hawaii's risk. Established budget for EIS and planning efforts.

LARA KARAMATSU, PE

Lead Consultant, Civil Engineer

15 years with the firm

19 years total

Professional qualifications

Professional Engineer Hawaii (#15390), 2013

Professional Engineer Washington (#44238), 2007

Education

B.S., Civil Engineering, University of Portland, 2003

Areas of practice

Permitting

Civil – Highways

Hydraulics/Hydrology

Best Management Practices

Program Management

Geographic Information System/AMS

CAREER SUMMARY

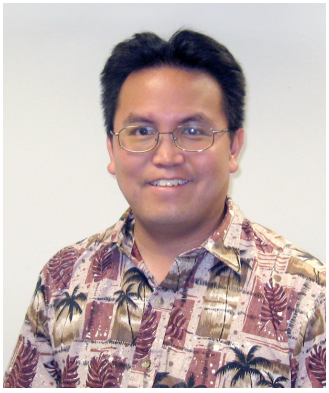
Lara Karamatsu is a civil engineer experienced in highway engineering, drainage and right of way. Lara's responsibilities include creation of contract plans, project schedules and estimates. She has also helped with developing drainage calculations and plans. Lara has also been serving as a certified internal auditor for the past eight years.

PROFESSIONAL EXPERIENCE

- NPDES MS4 TMDL Structural BMP Improvements Program, Honolulu, Hawaii (On-going): Lara is currently working to identify potential locations for structural BMP improvements to assist the City in meeting its TMDL reduction goals for sediment and nutrients. Her responsibilities include desktop analysis (GIS), structural BMP research, product applicability and efficiency assessment, field reconnaissance, coordination with stakeholders, and reporting requirements. Ultimately, the BMP projects selected for implementation will be developed into PS&Es for construction.
- Ka Makana Alii Development, Honolulu, Hawaii (2016): Lara was the primary designer on two of three off-site improvement projects for a 67-acre shopping center development. She was responsible for the drainage and roadway design of a new signalized intersection and a modification to an existing intersection, providing access into the site. She was in charge of developing the plans, estimate, specs and reports and coordinating with other disciplines.
- Rehabilitation of Streets, Various Locations, Honolulu, Hawaii (2016): Lara was working on City and County of Honolulu street rehabilitation projects. Her responsibilities included conducting field work to build the street improvements inventory, creating striping plans and back checking estimates for several projects.
- Honolulu Rail Transit Project (HRTP), Honolulu, Hawaii (2014): Lara was one of the GEC civil engineering group designers on the 20-mile HRTP.
  - During the Environmental Impact Statement (EIS) Phase of the project Lara helped develop the plans for the alignment and right-of-way impacts along the alignment. She worked with various subconsultants to determine the right-of-way impacts along the 20-mile corridor, produced numerous quantities and exhibits for environmental documents, evaluated possible staging areas, and helped complete track alignment speed calculations.
  - During the Preliminary Engineering (PE) Phase of the project Lara was involved with various aspects of the project. Lara designed the new alignment and profile for two access roads leading up to one of the transit stations. She looked at different alternatives for the profile of the access road as it impacted other road alignments within the area. Lara calculated the quantities and constantly coordinated with the engineers working on an adjacent contract that would tie into the alignment. After reviewing all options, Lara produced a matrix comparing the cut/fill and other determining factors between the different alternatives and presented it to project managers and an alternative was chosen. Lara then produced the plan and profile drawings and estimate for the Preliminary Engineering package.
  - Lara also reevaluated property impacts previously outlined in the EIS phase and determined if the PE design kept within the limits of impact. She also developed PE plan sheets showing the existing right-of-way lines and proposed impacts due to the project.

ROBIN A. KASAMOTO, PE

Lead Consultant, Civil Engineer



22 Years with the firm

25 Years total

Professional qualifications

Professional Engineer, Hawaii (12366-C), 2007

Education

B.S., Civil Engineering, University of Hawaii, 1996

Areas of practice

Environmental Permitting

Civil – Highways

Hydraulics / Hydrology / Wastewater

Construction Management

Inspection

Geographic Inf. System / AMS

CAREER SUMMARY

Robin is a civil engineer with experience in general civil design, as well as preparing hydrologic analyses, hydraulic models, scour analyses, and traffic analyses. Design experience includes highway design, traffic signal design, ADA curb ramp design, storm water runoff distribution design, as well as the preparation of plans, specifications, and estimates (PS&E).

PROFESSIONAL EXPERIENCE

- Honolulu High-Capacity Transit Corridor, Oahu, Hawaii: civil engineer responsible for providing general engineering support for the design and construction of an elevated rail transit system traversing the Honolulu primary transportation corridor. Tasks included preparation of traffic control plans for the archaeological inventory survey (AIS) associated with the project; review and revision of contract standard and directive plans; preparation of plans associated with change orders and request for information (RFI) responses; and review of roadway and guideway drainage reports submitted by contractors.
- Rehabilitation of Streets, Oahu, Hawaii:
  - Moanalua Road and Kaahumanu Street: civil engineer responsible for the preparation of the final PS&E package for roadway maintenance/repair design of Moanalua Road and Kaahumanu Street. The project includes repaving/reconstruction of asphalt concrete pavements, pavement marking and vehicle loop detector installation, concrete bus pad installation, utility manhole adjustments, and reconstruction of existing concrete curbs and/or gutters.
  - St. Louis Heights: civil engineer responsible for the preparation of final PS&E package for roadway improvements on St. Louis Heights. The project consists of driveway reconstructions and roadway repaving/reconstruction of portions of various streets on St. Louis Heights.
  - Aiea Heights Drive and Kaneohe Bay Drive: civil engineer responsible for the preparation of final PS&E package for roadway improvements on Aiea Heights Drive and Kaneohe Bay Drive. The projects consist of a roadway repaving/reconstruction and guardrail installation project on Aiea Heights Drive and Kaneohe Bay Drive. Also responsible for compilation of National Pollutant Discharge Elimination System (NPDES) permit applications.
  - Various Locations: civil engineer for this project for the City and County of Honolulu, which consisted of the inspection, and repair and maintenance design of various streets located around the island of Oahu. Compiled NPDES permit applications for multiple contracts. Participated in field inspection for some of the streets included in the project. Assisted in the development of plans for the repaving and re-striping of various locations. Also responsible for post-construction design in various areas, including the design for reconstruction of driveways on St. Louis Heights.
- Fort Barrette Roadway Improvements, Oahu, Hawaii: civil engineer responsible for the conceptual design and final PS&E package for a roadway widening project in leeward Oahu. Project is a 1.2-mile widening project with associated drainage and utility improvements.
- Pedestrian Facilities and ADA Compliance, Island of Hawaii: civil engineer responsible for design of curb ramps traffic signals, and other pedestrian facility improvements along selected State of Hawaii highways on the island of Hawaii. Responsibilities also included preparation of Technical Infeasibility Statements and design review of selected locations included in the project.

ANTTI KOSKELO, CPSWQ

Lead Consultant, Environmental Scientist

7 Years with the firm

16 Years total

Education

M.S., Environmental Sciences, University of Maryland, 2008

B.A., Environmental Sciences, Lehigh University, 2001

Professional qualifications

Certified Professional in Stormwater Quality

Areas of practice

Stormwater Quality Monitoring

TMDLs

Pollutant Load Modeling

Best Mgmt. Practices

Geographic Inf. System

Scientific Research

Data Analysis and Statistics

CAREER SUMMARY

Antti Koskelo is an environmental scientist experienced in the study of various aspects of the natural environment, especially water resources. He specializes in stormwater runoff water quality monitoring, Total Maximum Daily Loads, pollutant load modeling, desktop analysis (GIS), Best Management Practices, rain and flow monitoring, research, data analysis/statistics, and scientific writing.

PROFESSIONAL EXPERIENCE

— City and County of Honolulu, Department of Facility Maintenance, Stormwater Quality Branch, TMDL EMC Monitoring, Honolulu, Hawaii (On-going): Antti is currently engaged in a multi-year study of stormwater quality at various MS4 end-of-pipe and stream locations throughout Oahu to assist the City in meetings its NPDES/TMDL requirements. His responsibilities include collecting water quality samples during storm events with automated samplers, installation and maintenance of monitoring equipment, staff management and supervision, desktop analysis (GIS), coordination with client/stakeholders, data analysis and statistics, research, and technical writing.

— NCHRP Transportation Research Board, National Academies of Science, State Departments of Transportation Stormwater Monitoring Program Goals, Objectives, and Protocols. Antti was a senior author on a nation-wide research study and report that provided guidance to all State Departments of Transportation on how to design and implement an effective stormwater monitoring program. Study was published by the Transportation Research Board of the National Academy of Sciences.

Previous Experience

Before joining WSP, Antti's project experience with other consulting firms included:

— Clarksburg Special Protection Area (SPA) WQ Monitoring Projects, Montgomery County, MD: Antti served as a project manager/environmental scientist responsible for five water quality monitoring projects in the Clarksburg, MD SPA. Tasks included collecting stormwater samples at various sediment ponds and post-construction BMPs using automated samplers; and monitoring of groundwater, surface water, and stream geomorphology within the SPA. Managed staff for field monitoring and sampling, hired and supervised interns, coordinated with clients/regulators, tracked budgets, performed quality control reviews on monitoring data, prepared field equipment, conducted data analysis and statistics, and wrote reports.

— Anne Arundel County Department of Public Works, TMDL Implementation Plan for Bacteria, Anne Arundel County, MD: environmental scientist responsible for writing Bacteria TMDL Implementation Plan for 19 watersheds in Anne Arundel County, MD. Conducted literature review, modeled bacteria loads using Watershed Treatment Model (WTM), and analyzed cost-benefit of various structural and non-structural load reduction strategies to help the County meet their TMDL stormwater wasteload allocations.

PHILLIP (PHIL) MATSUNAGA, PE

Lead Consultant, Transportation Engineer

19 years with the firm

19 years total

Professional qualifications

Professional Engineer, Hawaii (13005), 2008

Education

B.S., Engineering, University of Pennsylvania, 2003

Areas of practice

Project Management

Transportation Planning

Traffic/Transportation

CAREER SUMMARY

Phil Matsunaga is a transportation engineer with experience in traffic data collection and in evaluation of traffic data to develop recommendations regarding intersection geometry and traffic control. He also has experience writing traffic evaluations, TMPs, dealing directly with government agencies, and presenting at public meetings.

Phil is experienced in utilizing software such as the Highway Capacity Software (HCS), along with Synchro, SimTraffic, and SIDRA to evaluate traffic operations for signalized and unsignalized intersections.

PROFESSIONAL EXPERIENCE

— Kamehameha Highway Realignment in the Vicinity of Laniakea Beach, Haleiwa, Hawaii (on-going): conducted traffic data collection, performed traffic analysis for future traffic for short and long-term solutions, wrote short-term and long-term memos.

— West Waikiki Study, Honolulu, Hawaii (2015): traffic engineer for the project that examined safety and traffic operations at five Waikiki intersections. Microsimulation incorporating vehicle and pedestrian data was performed for Kalakaua Avenue intersections from Saratoga Road to Royal Hawaiian Avenue. New pedestrian-only phases were recommended at the Lewers and Royal Hawaiian intersections which reduced vehicle-pedestrian conflicts while reducing delay and queuing on Kalakaua Avenue. .

— Queen Kaahumanu Highway Re-Evaluation, Kailua-Kona, Hawaii (2014): organized traffic data collection, conducted traffic analysis for future background traffic including future developments, trip generation and distribution, made roadway and intersection improvement recommendations.

— East Kapolei Commercial, Kapolei, Hawaii (2010): coordinated traffic data collection and summarization as part of a study to identify roadway improvements to accommodate future traffic demand of a proposed shopping center. Performed intersection level of service analysis within the study area using Synchro and SimTraffic. Produced future background traffic and performed trip generation and distribution. Wrote report including recommendations.

— Nani Kailua Road Extension (Oneo Lane EA), Kailua-Kona, Hawaii (On-going): traffic engineer responsible for studying the impact of a new mauka-makai connector roadway between Kuakini Highway and Alii Drive, two high-volume but different character roadways in Kailua-Kona. Traffic control alternatives such as traffic signals and roundabouts are being considered.

— Maui Research and Technology Park, Kihei, Maui, Hawaii (On-going): coordinated data collection and summarization as part of a study to identify roadway improvements to accommodate future traffic demand of a proposed mixed-use development. Performed intersection level of service analysis within the study area using Synchro and SimTraffic. Produced future background traffic and performed trip generation and distribution. Wrote report including recommendations. Attended community and agency meetings as a representative of WSP.

— Farrington Highway Intersection Improvements, Leeward Coast, Hawaii (On-going): conducted Pedestrian Safety Study, collecting and analyzing pedestrian data to recommend adding, removing, or modifying existing unsignalized crosswalks. Analyzed the modification or removal of existing bus stops.

MALIE J. A. MCCLELLAN

Lead Consultant, Environmental Planner

15 years with the firm

19 years total

Education

B.S., Natural Resources and Environmental Management, University of Hawaii, 2007

Areas of practice

Environmental Planning

Environmental Permitting

Community Outreach/Education

Program Management

Geographic Information System/AMS

CAREER SUMMARY

Malie McClellan is an environmental planner and has worked in transportation and development planning as well as environmental consulting for government and private clients. Her largest role to date was acting as the permitting lead for WSP on the $6.7 billion Honolulu Rail Transit Project. She was responsible for the drafting of at least 30 different permits for this project alone. Other responsibilities have included compliance activities; facilitating public involvement and community outreach; document compilation; and administrative activities such as scheduling. Malie has experience performing data collection and research; writing and editing environmental documents and permit applications; conducting geographic information systems (GIS) mapping and analysis; developing and working with AutoCAD drawings; producing graphics and materials for presentation at meetings; and coordinating with agencies, organizations, and individuals with various interests.

PROFESSIONAL EXPERIENCE

— Oahu Railway and Land Company, General Environmental Engineering Services, Statewide; Integrity Assessment, Historic Context Report, and Programmatic Agreement, Oahu, Hawaii (2020): environmental planner to the process of developing a comprehensive approach to evaluating federal and state undertakings regarding this railroad and associated right-of-way; a portion of the resource is listed on the National Register of Historic Places and other portions are considered as eligible to be listed. Malie has been highly involved in the field work for the integrity assessment portion of this project, walking the entire railway right-of-way, taking pictures, and providing support to other field team members. She was instrumental in drafting the Work Plan, which outlined the approach to developing the Programmatic Agreement.

— Lydgate Bike/Pedestrian Path – Phase D and Portion of Phase C, Kapaa, Kauai, Hawaii (2017): as an environmental planner, Malie worked to draft various permits. She worked to provide a CZM Consistency application, a SMA permit application, and also a Shoreline Setback Variance permit application for a shared use path that would provide a much-needed connection between existing facilities.

— Honolulu High-Capacity Transit Corridor Project, Kapolei to Honolulu, Oahu, Hawaii (2011): environmental planner to the EIS phase of the 20-mile (32-kilometer) corridor between east Kapolei and Ala Moana. The EIS was prepared per the Federal Transit Administration (FTA) New Starts policy. The project goals included determining and minimizing community and environmental impacts and coordinating with other planning efforts throughout the corridor. Her initial duties included field data collection and geographic information systems (GIS) imagery and analysis. Malie volunteered numerous times to attend public meetings as a project representative, wrote and edited sections of the EIS, and offered support to various efforts, including agency coordination and permit preparation.

— Earthquake Disaster Response and Project Delivery Program, Various Locations, Hawaii Island, Hawaii (2011): permit compliance manager for permanent roadway repairs related to earthquake damage. Malie managed permit preparation and submittal as well as agency coordination efforts as appropriate for three individual project units. Permits and clearances included in the effort were Section 404 DA, Section 402 NDPES, Section 7, Section 106, and CZM.

TODD NISHIOKA, PE

Vice President, Civil Engineer

8 years with the firm

26 years total

Professional qualifications

Professional Engineer, Hawaii (#9490), 1998

Education

B.S., Civil Engineering, University of Hawaii, 1993

Areas of practice

Project Management

Environmental Planning

Environmental Permitting

Community Outreach / Education

Civil Engineering

Best Management Practices

Program Management

CAREER SUMMARY

Todd Nishioka is a civil engineer with more than 25 years of experience in federal-aid transportation projects with responsibilities including project management, design, environmental permitting and compliance, conducting public involvement activities, and contract administration. In the area of project management, his experience includes evaluating consultant proposals and billings; managing design consultants; preparing plans, specifications, and estimates (PS&E); project scheduling; review of contractor's request for information (RFI) and shop drawings submittals.

PROFESSIONAL EXPERIENCE

— Environmental Permitting Assistance, Honolulu, Hawaii (2021): deputy project manager for the City and County of Honolulu Department of Design and Construction Environmental Permitting Project. His duties include developing the City and County of Honolulu, Department of Design and Construction's (DDC) Specification Policy and Procedures, developing DDC environmental program including but not limited to environmental templates, training DDC staff on environmental regulations, training DDC staff on how to identify and navigate environmental requirements for their projects, assisting DDC staff on developing schedules etc. His other duties will include developing a staff study to determine the new environmental structure within DDC.

PREVIOUS PROFESSIONAL EXPERIENCE

Prior to rejoining the firm in late 2016, Todd worked for the State of Hawaii, Department of Transportation, Highways Division for nearly 20 years. His project experience included in-house design, consultant management, development of the Statewide Storm Water Management Program, and the development of the HDOT Highways Environmental Program.

— Assisted in the development of HDOT's Environmental Permitting and Compliance Section. This effort consisted of developing the Section's functional description, position descriptions and hiring of the employees within this Section. He played a lead role in the development of the policy and procedures of HDOT's environmental program. He had oversight over the development of Section 106 of the National Historic Preservation Act, Section 7 of the Endangered Species Act, the National Environmental Policy Act, Hawaii Revised Statutes 343 Environmental Impact Statement guidelines. His Section served to provide environmental guidance and direction to the Highways Division and the County Federal Aid Program. His section also served as the primary environmental clearing house for emergency related projects.

— Assisted in the development of the Storm Water Management Program Plan. From 2005 until 2016, he served to develop and manage the Permanent Best Management Practices (PBMPs) program. He worked with consultants in providing guidance and direction on which PBMPs were most appropriate for the project and the life cycle analysis for the program.

— Assisted as the Highways liaison with other regulatory agencies such as the Department of Health, Clean Water Branch (DOH), the United State Army Corps of Engineers, the Office of Planning, the Department of Land and Natural Resources (DLNR) etc. In this capacity, he developed MOUs with various agencies such as DOH and DLNR to streamline interagency environmental processes.

NAMI OHTOMO

Assistant Vice President, Environmental Planner

11 years with the firm

30 years total

Education

M.P.P., Public Policy, University of Michigan, Ann Arbor, 1998

M.S., Natural Resources & Environment, University of Michigan, Ann Arbor, 1997

A.B., East Asian Languages & Civilizations, Harvard University, 1991

Areas of practice

Program Management

Project Management

Strategic Planning

Natural Resource/ Environmental Planning

Environmental Permitting

Facilities Planning/ Maritime Ports Planning

Community Outreach/ Education

Geographic Information Systems/Asset Management System

CAREER SUMMARY

Nami Ohtomo is an environmental planner with experience in defense, transportation (maritime, highways, transit, and multimodal), and renewable energy projects. She is well-versed in a wide range of disciplines, including environmental planning, facilities planning, operational planning, and communications and public relations. Nami has experience in natural resource management and environmental planning, including preparation and review of a number of environmental compliance documents. Her strength is in coordinating and managing complex environmental regulatory compliance efforts, providing client support, and strategizing for effective use of project team resources and technically sound project analysis, support, and delivery. She was instrumental in developing WSP Honolulu's in-house geographic information systems (GIS) capability.

PROFESSIONAL EXPERIENCE

— HNL Biometric Facial Recognition project, Honolulu, Hawaii (on-going): environmental planner for a project to design, deploy, and provide CM support services for a facial recognition system at international departure gates in the Daniel K. Inouye International Airport, to enhance customer experience and operational efficiency. Prepared federal Categorical Exclusion (CatEx) documentation pursuant to the National Environmental Policy Act (NEPA).

— Interstate Route H-1 and H-201 Destination Sign Upgrade/Replacement, Phase 3, Honolulu, Hawaii (on-going): planner responsible for submitting various permit applications, including community noise permit and noise variance applications, Endangered Species Act (ESA) Section 7 and Hawaii Revised Statutes (HRS) Chapter 195d reviews, Hawaii Environmental Policy Act (HEPA) HRS Chapter 343 Exemption, NEPA CatEx, and other federal requirements for a highway signs replacement project.

— Kauai Emergency Flood Repairs and Cleanup at Various Locations April 2018, Kauai, Hawaii (on-going): Prepared U.S. Army Corps of Engineers permit applications on emergency federal assistance projects at various locations to repair roadway connectivity disrupted by heavy rainfall, for Hawaii Department of Transportation.

— Wahiawa Pedestrian Bridge Environmental Assessment, Wahiawa, Hawaii (2020): QA/QC and technical reviewer for the development of an Environmental Assessment (EA) to consider the construction of a path to create a new non-motorized direct access between two communities, including a bridge over a stream. Reviewed all aspects of draft EA, including required agency coordination and technical sufficiency of analysis.

— Kauai Bridge Rehabilitation projects, Hawaii (on-going): project manager responsible for obtaining environmental permit clearances for three County of Kauai bridge rehabilitation projects: Hanapepe Bridge, Koloa Bridge, and Kipu Bridge. The most complex of these is the federally-funded Hanapepe Bridge Rehabilitation, requiring U.S. Army Corps of Engineers (USACE) and U.S. Coast Guard (USCG) Section 404 and Section 10, State Historic Preservation Officer (SHPO) on National Historic Preservation Act (NHPA) Section 106; HRS Chapter 6E-8; U.S. Fish and Wildlife Service (Endangered Species Act [ESA] Section 7); state Department of Land and Natural Resources on biological resources (HRS Chapter 195d), and preparation of a National Environmental Policy Act (NEPA) Categorical Exclusion (CatEx), and HRS Chapter 343 Exemption clearances.

JAN REICHELDERFER, CPG

Assistant Vice President, Environmental Planner

31 years with the firm

38 years total

Education

Professional Certificate, Environmental Planning, University of Hawaii, 1995

MS, Geology, University of Illinois, 1985

BS, Geology, University of Delaware, 1982

Professional qualifications

Certified Professional Geologist (8150), American Institute of Professional Geologists

Envision Sustainability Professional

Areas of practice

Environmental Permitting

Community Outreach/ Education

Program Management

CAREER SUMMARY

Jan Reichelderfer is an environmental planner and is responsible for permitting and physical environmental issues. Jan has extensive experience in permitting and environmental compliance. She has obtained permits such as Section 401 Water Quality Certifications, National Pollutant Discharge Elimination System (NPDES) Permits, Coastal Zone Management Consistency Determinations, Stream Channel Alteration Permits, and Army Corps of Engineers Permits for a variety of projects to improve infrastructure. Jan is often responsible for permitting requirements and conditions, the inspection of best management processes (BMPs) and water quality monitoring. She has written numerous reports for Safe Drinking Water Act's Sole Source Aquifer program. She is also involved with the production of environmental impact statement (EIS) and environmental assessment (EA) documents for transit projects, harbor development, and roadway improvements.

PROFESSIONAL EXPERIENCE

— NPDES Storm Water Monitoring and TMDL, Oahu, Hawaii (On-going): planner involved in the production of implementation and monitoring plans and water quality monitoring and maintenance to meet permit requirements.

— Statewide Noxious Invasive Pest Program, Maui, Hawaii (On-going): project manager responsible to provide all environmental clearances to remove invasive species and plant native species along a portion of Haleakala Highway

— Fort Weaver Road Widening Design/Build Project, Oahu, Hawaii (2010): Jan was responsible for obtaining all the necessary environmental permits for this design-build project.

— NPDES Municipal Separate Storm Sewer System (MS4) Permit, Maui, Hawaii (2019): Jan was involved in the implementation of maintenance and permanent BMPs requirements for the highway system in Kahului and Kahului Harbor.

— Guam Islandwide Program Management Services, Guam (On-going): involved in permitting for bridge replacements.

— Kamehameha Highway Realignment, Vicinity of Laniakea Beach. Oahu, Hawaii (On-going): environmental lead for an EA realigning the roadway threatened by erosion. The project incorporates significant community involvement and outreach.

— NELHA Airport Connector Roads and Other Roads in HOST Park, Kailua-Kona, Hawaii (2019): planner involved in producing an EA for proposed roadway connections on the island of Hawaii.

— Honolulu High-Capacity Transit Corridor Project (HHCTCP)/Honolulu Rail Transit Project (HRTP), Oahu, Hawaii (Fed-Aid) (2014): as an environmental planner for the project, Jan wrote and coordinated natural science sections of the Alternatives Analysis (AA) and the EIS. She participated in numerous public outreach programs and worked on the project's compliance with the EIS and the Record of Decision (ROD) mitigation commitments along with obtaining and tracking the numerous permits needed for project construction.

— North South Road, Phase 1, Oahu, Hawaii (2004): Jan wrote and coordinated numerous sections of the EA for the new road, especially those involving groundwater and hazardous waste for the preparation of the joint federal and State EA of this proposed roadway in the Ewa District of Oahu.

JOSEPH R. SALVADOR, PE

Assistant Vice President, Civil Engineer

17 years with the firm

18 years total

Professional qualifications

Professional Engineer, Hawaii (14094), 2010

Education

B.S., Civil Engineering, University of Hawaii, 2003

Professional memberships

American Society of Civil Engineers (ASCE)

Areas of practice

Civil – Highways

Hydraulics/Hydrology/ Wastewater

Best Management Practices

Inspection

Geographic Information System/AMS

CAREER SUMMARY

Joseph Salvador is a civil engineer with experience in general civil design. His design experience includes roadways, drainage, including hydrologic analyses and hydraulic modeling, traffic control, Americans with Disabilities Act (ADA) curb ramps, and storm water runoff distribution. Joseph is also experienced in the preparation of plans, specifications, and estimates (PS&E).

PROFESSIONAL EXPERIENCE

- Honoapiilani Highway Shoreline Protection for Tsunami Damage in Ukumehame, Maui, Hawaii: engineer responsible for design and preparation of construction plans for this emergency project for sea revetment and roadway reconstruction. Job duties included roadway/alignment design; signing and pavement marking design; erosion and sediment control; traffic control; and utility coordination.
- Piilani Highway, Traffic Operational Improvements at Ohukai Road, Maui, Hawaii: engineer assisting in storm water runoff analysis and preparation of drainage report.
- Natural Energy Laboratory of Hawaii Authority (NELHA) Airport Connector Road Project, Kailua-Kona, Hawaii: engineer assisting in the design of approximately 3 miles (4.8 kilometers) of new roadways within the NELHA property. The project is funded with state and federal funding. Design work includes roadway alignment, roadway construction, drainage, pavement markings and signing, potable water, salt water, permanent best management practices, and communication and electrical ducts.
- Honolulu Rail Transit Project, Oahu, Hawaii: engineer responsible for conducting field visits and inspections of active construction sites for this project that entails a proposed 20-mile (32-kilometer), east-west elevated rail line to connect Kapolei in West Oahu with the urban core of Honolulu. Job duties included field oversight for various contractor activities.
- Statewide Storm Water Management Program (SSWMP), Hawaii: engineer for providing support in developing top priority erosion sites for mitigation, including cataloguing erosion sites for the islandwide erosion assessment of Hawaii Department of Transportation (HDOT) properties and assisting in PS&E preparation.
- Fort Weaver Road Widening, Oahu, Hawaii: engineer for final design for the design-build widening of an existing 2.6-mile (4.2-kilometer) section of four-lane roadway to a six-lane highway. Tasks included signing and pavement marking design; temporary traffic control layout; verifying drainage using StormCAD; curb ramp design; erosion control; permanent BMPs and grading; riprap revetment design; grade adjustments; and other various support in preparation of PS&E package.
- Big Island Earthquake Emergency Project, Hawaii, Hawaii: engineer for this emergency project to assist the HDOT-Hawaii staff after a powerful earthquake and aftershocks caused damage to HDOT's roadway system islandwide. WSP provided on-site assistance in management and coordination.
- Kailua Road Emergency Bypass, Oahu, Hawaii: temporary emergency road to provide temporary traffic relief to Kailua motorists. The existing roadway was partially closed off due to potential hazards caused by landslides/rockfall. Engineer assisting in preparation of PS&E to temporarily realign the roadway into the grassed median.

LARISSA M. L. SATO, PE

Vice President, Civil Engineer

34 years with the firm

36 years total

Professional qualifications

Professional Engineer, California (#46981), 1991

Professional Engineer, Hawaii (#7331), 1991

Education

B.S., Civil Engineering, University of Hawaii, 1987

Areas of practice

Project Management

Environmental Planning

Environmental Permitting

Community Outreach/ Education

Civil Engineering

Best Management Practices

Construction Mgmt.

Inspection

Program Management

Geographic Information Systems/Asset Management System

CAREER SUMMARY

Larissa Sato is a civil engineer with more than 30 years of experience in federal-aid transportation projects with responsibilities including project management, design, construction support, environmental permitting and compliance, the preparation of environmental impact statements (EIS) and environmental assessments (EA), transportation planning, conducting public involvement activities, and contract administration. In the area of project management Larissa's experience includes evaluating consultant proposals and billings; managing design consultants; preparing plans, specifications, and estimates (PS&E); project scheduling; review of contractor's request for information (RFI) and shop drawings submittals; change order development; and claims evaluation.

PROFESSIONAL EXPERIENCE

— Environmental Permitting, Hawaii (2021): project manager responsible for assisting the City County of Honolulu, Department of Design and Construction, Civil Division. Since 2015, Larissa has assisted the City and County of Honolulu, Department of Design and Construction, Civil Division (DDC CD) with environmental compliance in construction. In this role she has worked on the majority of DDC CD construction projects on Oahu. Larissa assists DDC CD with the development and implementation of environmental efforts at both the program and project level. These work items have included focus on the Clean Water Act (CWA) Section 404 and Section 10 and CWA Section 401 Water Quality Certifications (WQC). Another, seeming larger focus has become attention to the CWA Section 402 National Pollutant Discharge Elimination System (NPDES) applications, including the development and review of Storm Water Pollutant Prevention Plans, discharge reporting, and the overall development of guidelines and implementation of processes to ensure environmental compliance during construction. Larissa also assists DDC CD with applying for NPDES, Section 404, Section 401 WQC and Community Noise Variances and has assisted in the development, review, and finalizing of environmental and in-water specifications. She has consulted and met with various Regulatory Agencies on multiple occasions for items ranging from rulemaking to environmental project compliance. This approach has led to a collaborative effort between agencies that has streamlined the permitting process.

— Environmental Protection Agency (EPA) Public Education and Training Program, Hawaii (2020): project manager responsible for assisting the State of Hawaii, Department of Transportation, Highways Division (HDOT) in assisting HDOT with environmental compliance in construction. This includes training HDOT construction personnel, consultants, and contractors on environmental permitting issues. The project involves developing processes and procedures, conducting trainings and assisting HDOT to ensure compliance with HDOT's Consent Decree, Municipal Separate Storm Sewer System (MS4) National Pollutant Discharge Elimination System (NPDES) Permit, Oahu Storm Water Management Program Plan, and projects' environmental permits. In this role Larissa has assisted HDOT in applying for and assisting with program and project level environmental compliance with NPDES, Clean Water Act (CWA) Section 404 and Section 10, CWA Section 401 Water Quality Certifications (WQC), and Community Noise Variances.

DENNIS SILVA, JR., AICP

Senior Lead Environmental Planner

<1 Year with the firm

24 years total

Education

M.S. Urban Planning University of Arizona, Tucson, 1998

B.A. Political Science, University of Hawaii at Manoa, 1993

Registrations / Certifications

American Institute of Certified Planners (AICP)

Professional Affiliations

American Planning Association

Areas of practice

Project Management

Land Use Planning

Environmental Permitting

Environmental Planning

Land Use and Zoning Regulations

Community Outreach/Education

CAREER SUMMARY

Dennis Silva, Jr. is a Senior Lead Environmental Planner with experience in planning and permitting processes in the City and County of Honolulu and the State of Hawaii. He is well versed in projects related to Special Management Areas (SMA), Rezoning, and Environmental Assessments (EA) related to affordable housing, SMA, and rezoning projects. His strength is ensuring planning projects are compliant with Federal, State and Local regulations and ordinances. He excels in communicating complex projects to the team, clients, stakeholders, and elected officials. Prior to joining WSP, Dennis was in private consulting, managing and completing various land use, environmental and zoning projects for private clients. He was also a Planner at the City and County of Honolulu, specializing in subdivision projects, park dedication, and long-range planning related to Development Plans, Sustainable Communities Plans, and Transit-Oriented Development (TOD) Plans.

PROFESSIONAL EXPERIENCE

- Hana Highway Mile Post 10 Rockfall Protection, Paia-Haiku, Hawaii (on-going): environmental planner for the rockfall protection project. The Federal Highway Administration (FHWA), in cooperation with the State of Hawaii Department of Transportation (HDOT), is planning the Hana Highway Rockfall Protection and Slope Stabilization MP 10.18 to MP 10.49 project. A NEPA Categorical Exclusion (CatEx) will be completed for this project.
- Hana Highway Mile Post 4.3 Culvert Repair, Maui, Hawaii (on-going): environmental planner for the culvert repair project. The Hana Highway Culvert is located at Milepost 4.3 of the Hana Highway (Route 360) approximately 2.5 miles east-southeast of Haiku on the island of Maui. The culvert consists of grouted rubble abutments with a concrete deck spanning approximately 7 feet. A NEPA CatEx is also required as part of project scope.
- Nanue Stream Bridge, Hamakua, Hawaii (on-going): environmental planner. Rehabilitating the Nanue Stream Bridge by addressing the deterioration in the superstructure by repairing steel truss members, bearings, gusset plates, rivets, etc. that have corrosion and section loss; addressing spalls delamination in the concrete deck, bridge railings, column pedestals and foundations; and addressing other significantly deteriorated bridge elements.

PREVIOUS PROFESSIONAL EXPERIENCE

- Kualoa, Kaaawa, Punaluu, and Hauula Shoreline Erosion Mitigation (2021-2022): lead environmental planner for the preparation of the Hawaii Environmental Policy Act (HEPA) Draft Environmental Assessment, NEPA CatEx, and other related environmental permits. The State of Hawaii Department of Transportation (HDOT) is proposing to implement permanent roadway protection measures along Kamehameha Highway, from the south end of Kualoa Ranch to Hauula town. The proposed project will involve erosion mitigation and protection.
- Puunene Avenue Widening Safety Improvements, Wailuku, Hawaii (2021-2022): lead environmental planner for the HEPA Draft EA, NEPA CatEx, Section 7, 195d, and other environmental permits... Increase roadway safety and capacity by adding two additional vehicle lanes and shared shoulders. Construct new sidewalks on both sides of Puunene Avenue, linking Wakea Avenue to Kuihelani Highway.
- Farrington Highway Safety Improvements, Kapolei, HI (2020-2022): lead environmental planner. The project encompasses a 4.13-mile segment of Farrington Highway from Pohakunui Avenue (Nanakuli) to Interstate H-1. A NEPA CatEx was completed for this project.

MATTHEW SMALL

Lead Consultant, Environmental Planner

10 years with the firm

22 years total

Education

BFA, Fine Arts, University of Hawaii, 1995

Areas of practice

Environmental Planning

Environmental Permitting

Community Outreach/ Education

Program Management

Geographic Information System/AMS

CAREER SUMMARY

Matthew Small is a planner with experience in public education, training, environmental planning, international development, and organizational dynamics. He has worked extensively in all aspects of training including coordination, logistics, training materials development, and leading sessions. He has facilitated trainings on topics such as construction best management practices, post-construction best management practices, maintenance facilities management, chemical application, and illicit discharge inspection. He has lead training sessions on storm water awareness, National Pollution Discharge Elimination System (NPDES) permit compliance, construction best management practices, facilities maintenance, and materials storage practices. Matthew has coordinated public education activities including web development, printed materials development and production, TV and radio public service announcements, school visitations and public event participation.

PROFESSIONAL EXPERIENCE

- Honoapiilani Highway Improvements, West Maui, Hawaii: Currently coordinating agency and public involvement and outreach in support of the preparation of a joint NEPA/HEPA EIS. This includes completing demographics and Environmental Justice analysis, writing the NEPA compliant Agency Outreach and Public Involvement Coordination Plan, public meeting and public hearing preparation and coordination, and GIS analysis.
- Interstate H-1 Eastbound Widening from Waiawa Interchange to Waiau Interchange, Honolulu, Hawaii: planner leading environmental compliance with NEPA and HRS Chapter 343. Coordinating the preparation of HRS Chapter 343 EA, NEPA CatEx, including coordination of technical studies, public involvement, and coordination with relevant federal, state, and county regulatory agencies, including USFWS, NMFS, Army Corps of Engineers, SHPO, and Department of Health. WSP is providing environmental documentation/permitting and design services for the widening of Interstate H-1 from the Waiawa Interchange to the Waiau Interchange. The purpose of this project is to provide short-term congestion relief on Interstate H-1 in the eastbound direction in the vicinity of Waikele to the vicinity of Halawa.
- State Highway Climate/Natural Hazards Resiliency Plan, Statewide, Hawaii: planner for coordinating GIS data collection and GIS mapping for vulnerability assessment of State roadway network.
- Kamehameha Highway to Laniakea Realignment, Oahu, Hawaii: planner currently facilitating environmental compliance and public involvement to comply with NEPA and HRS Chapter 343. Environmental compliance for this project includes Section 106, Chapter 6E, Section 7, Chapter 195d, and SMA coordination. WSP led preparation of a Chapter 343 and National Environmental Policy Act document to realign Kamehameha Highway in the vicinity of Laniakea Beach. At completion, the planning study produced conceptual engineering of a preferred improvement alternative at the corridor level and carried the various phases of the preferred alternative through the environmental planning process.
- Hana Highway Flood Scour Projects, Maui, Hawaii: planner responsible for coordination of emergency flood damage repairs at three locations along the historic Hana Highway, including all NEPA and Chapter 343 compliance and permitting.

JASON SUGIBAYASHI, PE, CISEC

Lead Consultant, Civil Engineer

5 Years with the firm

15 Years total

Professional qualifications

Professional Engineer Hawaii (#15310), 2013

Certified Inspector of Sediment and Erosion Control, CISEC Inc, 2022

Education

B.S., Civil and Environmental Engineering, University of Hawaii, 2008

Areas of practice

Permitting

Hydraulics/Hydrology

Best Management Practices

Site Infrastructure

Subdivision Design

Geographic Inf. Systems/AMS

CAREER SUMMARY

Jason Sugibayashi is a civil engineer performing a wide variety of civil designs. His broad range of experience covers drainage studies and analysis, grading work, infrastructure and utility design, as well as preparing engineering reports while working with numerous government and private agencies. His thorough understanding of civil design requirements adds value to his participation in the permitting process and achieving construction documents compliance.

PROFESSIONAL EXPERIENCE

- Ala Moana Elevated Pedestrian Walkway; Honolulu, Hawaii (In Construction): civil engineer responsible for developing construction documents for a new multi-use path crossing Ala Moana Boulevard and providing post-design services to the client.
- Kuakini Highway Drainage Improvements, Vicinity of Mile Post 114; Honalo, Hawaii (In Construction): civil engineer responsible for developing construction documents for a new localized drainage system to mitigate damage to adjacent properties caused by storm runoff and providing post-design services to the client.
- State of Hawaii - Hawaii Housing Finance & Development Corporation, Villages of Kapolei Dedication Project, Kapolei, Hawaii (On-going): civil engineer responsible for assessing existing infrastructure, developing construction documents, and providing post-design services for work to facilitate the dedication of roads and infrastructure to the City & County of Honolulu.
- City & County of Honolulu, Department of Design & Construction Environmental Permitting Support, Honolulu, Hawaii (2021): civil engineer responsible for assisting the City & County of Honolulu's Department of Design & Construction with assembling their environmental permitting for various city road construction projects.
- Hawaii Department of Transportation, EPA Public Education and Training, Oahu, Hawaii (2020): Civil engineer responsible for assisting the Department of Transportation with assembling their environmental permitting for various DOT road construction projects.

PREVIOUS PROFESSIONAL EXPERIENCE

- Fisher Distribution Center Warehouse, Kalaeloa, Kapolei, Oahu, Hawaii (2017): project engineer/manager responsible for design of the infrastructure for two new warehouses in the Malakole Industrial Park. Services included utility design, site layout, grading, design computations and permitting.
- New Napa Warehouse, Waipahu, Oahu, Hawaii (2017): project engineer/manager responsible for design of the infrastructure for a new warehouse at the existing Napa Distribution Center. Services included utility design, site layout, grading, design computations and permitting.
- Consolidated POL PMRF, Pacific Missile Range Facility, Barking Sands, Kauai, Hawaii (2015): project manager/engineer responsible for the design build project, including site layout, grading, infrastructure, drainage and pump calculations, and permitting. The project included new aboveground storage tanks and replacement of fuel dispensers, renovation/replacement of existing jet fuel piping, renovation/replacement of two existing truck fill stands, renovation of nine jet fuel pump houses, and replacement of nine fuel pumps servicing the truck fuel stands.

RANDALL M. URASAKI, PE, LEED AP BD+C

Senior Vice President, Local Business Leader

36 years with the firm

36 years total

Professional qualifications

Professional Engineer, Hawaii (#7269), 1992

U.S. Green Building Council (USGBC) LEED Accredited Professional, 2009

Education

M.B.A., University of Hawaii, 1993

B.S., Civil Engineering, 1986

Areas of practice

Project Management

Environmental Permitting

Civil Engineering

Hydraulics/Hydrology

Best Management Practices

Construction Management

Program Management

CAREER SUMMARY

Randall is a senior area manager for the West Region and possesses a comprehensive background in the preparation of a variety of different types of projects, involving different types of funding sources. He is currently the project manager of several ongoing projects such as the Kauai Emergency Projects.

PROFESSIONAL EXPERIENCE

— Natural Energy Laboratory of Hawaii Authority (NELHA) Airport Connector Road Project, Kailua-Kona, Hawaii (2019): project manager for the planning, permitting and design of approximately 3 miles (4.8 kilometers) of new roadways within the NELHA property. The project is funded with State and Federal funding. The firm's scope of work includes obtaining the National Environmental Policy Act (NEPA) Categorical Exclusion and Coastal Zone Management Certification. Design work includes roadway alignment, roadway construction, drainage, pavement markings and signing, potable water, salt water, permanent best management practices (BMPs), and communication and electrical ducts.

— Kauai Emergency Projects, Kauai, Hawaii (On-going): project manager for environmental permitting and civil design for various locations on the island of Kauai to provide emergency assistance to maintain roadway connectivity disrupted due to heavy rainfall. The firm's scope of work included obtaining Categorical Exclusions and permits; assisting the Hawaii Department of Transportation (HDOT) in preparing Detailed Damage Inspection Reports for federal assistance; and preparing civil plans. Civil design included temporary bypass roads, roadway construction, drainage and grading, signing and pavement markings, and traffic control plans.

— Fort Weaver Road Widening Design-Build, Oahu, Hawaii (2013): project manager on this design-build roadway widening project teamed with Hawaiian Dredging Construction Company. The project included widening the roadway from four to six lanes and includes, two new pedestrian bridges, retaining walls, drainage and grading, signing and striping, traffic signal systems, closed circuit television (CCTV) systems, utility ductbank, utility relocations, bus turnouts, stream dredging, permanent BMPs, landscaping and irrigation. Project scope also included preparation of PS&E, structural and drainage reports and calculations, public informational meetings, and coordination of permitting.

— Big Island Earthquake Emergency Project, Hawaii, Hawaii (2007): project manager for this emergency project to provide assistance to the HDOT-Hawaii staff after a powerful earthquake and aftershocks caused damages to the HDOT's roadway system island-wide. WSP provided on-site assistance in management and coordination, and also coordinated and applied for necessary permitting for the various projects.

— H-1 Rehabilitation Project, Eastbound Lanes, Waiau Interchange (I/C) to Kaimakani Street, Honolulu, Hawaii (2010): project manager for designing the repair of the pavement within the project area. Project scope included preparation of PS&E, and coordination of permitting.

PAMELA UYEDA, PE, LEED AP BD+C, PMP, CISEC

Vice President, Civil Engineer

27 years with the firm

27 years total

Professional qualifications

Professional Engineer, Hawaii (#10352), 2001

LEED AP Building Design + Construction

Project Management Professional

Certified Inspector Sediment and Erosion Control (CISEC), 2010 (0568)

Education

M.S., Civil Engineering, University of Hawaii, 2002

B.S., Civil Engineering, University of Hawaii, 1996

Areas of practice

Project Management

Environmental Permitting

Civil Engineering

Hydraulics/Hydrology

Best Management Practices

Traffic/Transportation Engineering

Geographic Information Systems

CAREER SUMMARY

Pamela Uyeda is a civil engineer and project manager in the Honolulu office with experience in roadway design, traffic signal design, traffic control, hydrologic and hydraulic analyses, permitting, and preparation of plans, specifications, and estimates (PS&E).

PROFESSIONAL EXPERIENCE

— Kekaha and ʻAkialoa Road (Route 551) Improvements: project manager responsible for conceptual engineering designs and public involvement charrettes in Kekaha on the island of Kauai. Conceptual engineering designs included the development of four conceptual alternatives for multi-modal improvements along Kekaha and ʻAkialoa Roads. The design concepts also included the preliminary design of a roundabout and an analysis of culvert crossing alternatives for an irrigation ditch. The public involvement charrette consisted of a series of four events: a walk audit, a school focus group meeting, a visioning + design training meeting, and a follow-up public meeting.

— Lydgate Park to Kapaa Bicycle/Pedestrian Path Right-of-Way and Design, Kauai, Hawaii: project manager responsible for overseeing the right of way and easement acquisition, right-of-entry and property adjustment agreements, permitting, and development of conceptual and final design plans for a new coastal shared use path through resort properties near Kapaa. The scope of work includes land appraisals for each affected property (11 total), preparing and filing land court maps and petitions, and processing the first Special Management Area/Shoreline Setback Variance applications under the new Kauai County shoreline ordinance.

— Interstate Route H-1 Rehabilitation, Middle Street to Vicinity of Ward Avenue, Oahu, Hawaii: project manager responsible for overseeing the completion of environmental clearances, permitting requirements, and PS&E development for the resurfacing and rehabilitation of 3.5 miles of Interstate Route H-1 throughout the most heavily traveled corridor in Honolulu. Project design elements included assessing the pavement condition; determining an appropriate repair; restriping the interstate to add an additional through lane; ancillary safety improvements; installing a geosynthetic reinforced soil wall for slope stability; and bridge widening. The project also required obtaining numerous design exceptions from FHWA; A+B contracting including road user cost analysis; incentive/disincentive specifications; and coordination with landowners and lessees for construction parcels.

— City and County of Honolulu, Department of Facility Maintenance (DFM), Stormwater Monitoring and Total Maximum Daily Load Activities, Honolulu, Hawaii: WSP provided stormwater monitoring and total maximum daily load analysis and tracking for the Department of Facility Maintenance to comply with the National Pollutant Discharge Elimination System Permit. Duties included Environmental Protection Agency/Department of Health permit language review, end-of-pipe and stream monitoring, development of local event mean concentration loads for urban land uses, development of watershed implementation and monitoring plans, and tracking and calculating Municipal Separate Storm Sewer System (MS4) pollutant load reductions.Supplementary tasks include assisting DFM with watershed water quality modeling efforts, preparation of a Green Infrastructure Handbook, tracking TMDL development nationwide, and preparation of the Annual Monitoring Plan and Annual Monitoring Report for submittal to the Department of Health.

KEVIN K.O. WONG, PE

Vice President, Civil Engineer

32 years with the firm

48 years total

Professional qualifications

Professional Engineer, Hawaii (#8048), 1993

Professional Engineer, California, 1978

Education

B.S., Civil Engineering, University of Hawaii, 1974

Areas of practice

Project Management

Environmental Permitting

Civil Engineering

Hydraulics/Hydrology

Best Management Practices

Construction Management

Inspection

Program Management

Geographic Information Systems/Asset Management System

CAREER SUMMARY

Kevin Wong has more than 40 years of experience managing and designing a diverse range of engineering projects in both the private and public sectors. He is currently the program lead for the HDOT Highways Division Maui District MS4 Program. He served as the discipline manager for hydraulics/hydrology/flood hazard studies, surveying, and right-of-way on the Honolulu Rail Transit Project, GEC Contract, Phases I & II; project manager (PM) for the Statewide Dam Break Analysis for the US Army Corps of Engineers (USACE)/Department of Land and Natural Resources (DLNR); and PM for the Interstate Route H-3 Tetsuo Harano Tunnel Project.

PROFESSIONAL EXPERIENCE

- Maui District MS 4 Program, Kahului, Maui, Hawaii (2019): Kevin serves as program lead for the Illicit Discharge Detection and Elimination Program (IDDE), which includes the development of the following program activities:
  - Examining existing regulatory mechanisms related to illicit discharges and illegal connections to the Maui MS4, and where required, proposing amended or new policies, ordinances, and procedures to facilitate more effective administration and enforcement of the IDDE Program.
  - Detecting and eliminating illegal discharges and illegal connections by means of storm drain inspections, field screening of outfalls, public reporting or complaints, and follow-up site inspections to identify and eliminate illicit discharges/illegal connections.
  - Developing and administering an IDDE tracking and reporting database linked to a GIS system, which will allow Maui District to manage and to analyze IDDE data and to produce maps and reports.
  - Developing and conducting public education and outreach programs and training designed to prevent/minimize illicit discharges/illegal connections.
- Honolulu Rail Transit Project (HRTP), General Engineering Consultant (GEC) Phase II, Final Engineering, Environmental Support, and Other Services, Honolulu, Hawaii (2014): Kevin served as discipline manager for the flood hazard analysis and no-rise mitigation; clean water act section 404 and 401 individual permits; final design of Waiawa stream improvements; contract compliance reviews; and real estate acquisition support.
- Honolulu Rail Transit Project (HRTP), General Engineering Contract (GEC) Phase I, EIS/Preliminary Engineering, Honolulu, Hawaii (2011 Kevin was the discipline lead for surveying, right-of-way, drainage, and intelligent transportation systems.
- Hawaii Water Systems, Technical Studies Program, Statewide Dam Break Analysis Project, Hawaii (2008): project manager for a study team consisting of WSP and Northwest Hydraulic Consultants, Inc. (NHC). In this USACE/DLNR project, the team was tasked with performing dam break analyses for earthen dams at the Puu Lua Reservoir on the island of Kauai and the Kualapuu Reservoir on the island of Molokai. This work includes conducting field investigations; verifying/validating government-furnished electronic topographic information (LiDAR and IfSAR); coordinating and scoping ground surveying requirements with the project surveyor, ControlPoint Surveying, Inc.; performing hydrologic (HEC-HMS) and hydraulic (unsteady HEC-RAS) modeling; mapping (HEC-GeoRAS) flood inundation areas resulting from worst-case dam breach scenarios; and producing draft and final reports documenting project findings.

WAYNE Y. YOSHIOKA

Vice President, Transportation Engineering

14 years with the firm

43 years total

Professional qualifications

Professional Engineer, Colorado (20789), 1990

Applying for Hawaii Reciprocity

Education

B.S., Civil Engineering, University of Hawaii, 1978

Areas of practice

Project Management

Transportation Planning

Traffic/Transportation

CAREER SUMMARY

Wayne Yoshioka has more than 43 years of experience in project management and technical analysis of major transportation studies and engineering projects working for transportation consulting firms in Hawaii and Colorado. He has been involved in projects requiring broad, multidisciplinary knowledge of engineering, planning, finance, and public relations. his experience combines transportation planning which takes a big picture view of transportation with traffic engineering which pays attention to the operational and design details that are required to actually implement transportation solutions. He also understands policy level issues and how to manage these issues to allow projects to succeed.

He served two mayoral administrations as the Director of the City and County of Honolulu Department of Transportation Services (DTS). In that capacity, he interacted regularly with the Hawaii State Legislature, Honolulu City Council, and State of Hawaii and City and County of Honolulu agencies. As DTS Director, Wayne sat on the Board of the Honolulu Authority for Rapid Transportation (HART), the fixed guideway rail system now under construction and was intimately involved in the process that obtained the approval for HART from the Federal Transit Administration (FTA).

Wayne has experience in areas of transportation including regional and sub-regional transportation planning; livable communities and transit-oriented development (TOD) planning; complete streets planning and design; traffic safety; intersection design; traffic signal design; traffic coordination and optimization; parking demand studies and parking layout design; transit rail and bus planning; high-occupancy vehicle (HOV) planning; airport groundside planning; multi-modal planning; travel demand forecasting; recreational transportation planning; and traffic impact analysis studies.

PROFESSIONAL EXPERIENCE

- Honoapi‘ilani Highway Improvements, Milepost 10.5 to Milepost 18.0, Maui (On-going): project manager for NEPA/343 EIS and Preliminary Engineering leading to an RFP for Design-Build solicitation. Project proposes to realign Honoapi‘ilani Highway inland to address sea-level rise.
- North-South Road, Kapolei: project manager for NPEA/343 EA and Preliminary Engineering for a new arterial roadway and H-1 interchange. Project dealt with endangered Abutilon Menziesii plant. Successful clearance of EA and preliminary engineering led to current Kualaka‘i Parkway and interchange.
- Hanapēpē Road Improvements, Kaua‘i: senior advisor for complete streets conceptual design to integrate enhanced pedestrian and multimodal elements into an existing roadway in Hanapēpē town.
- Hāmākua Drive Bicycle Lane Improvements, Kailua, O‘ahu: senior advisor for design project to implement bicycle lane on Hāmākua Drive from Kailua Road to Keolu Drive. Project was a tier 1 bicycle network project for the City and County of Honolulu.
- Saddle Road Extension EIS, Waikoloa, Hawai‘i (Big Island): project manager for transportation element of EIS for a proposed extension of Saddle Road (Daniel K. Inouye Highway) between Māmalahoa Highway and Queen Ka‘ahumanu Highway. Involved both transportation forecasting and intersection operational analyses.