

**For All Engineers: Vacancy levels will vary by department, please contact the department and/or program of interest for further information.**

**Department of Accounting and General Services (DAGS):**

**Construction Management Branch:** Administers and manages projects under construction on Oahu in accordance with construction contracts and prescribed construction practices by inspecting work in progress and work completed, directing, and controlling changes, and accepting and closing of projects. Coordinates the delivery and installation of furniture and equipment for projects.

**Leasing Services Branch:** Provides statewide office leasing and space planning services to executive branch agencies. Develops and administers DAGS space standards, space computations, and space allocations and assignments within DAGS-managed facilities in coordination with PB.

**Planning Branch:** Provides land acquisition coordination phase and planning phase services for public facilities for DAGS and numerous user agencies; formulates and implements DAGS' CIP budget requests; reviews and assigns office space in DAGS managed State office buildings in coordination with LSB; administers Grant-In-Aid CIP funding; packages project initiation requests for work to be implemented through the DAGS Public Works Division; conducts environmental and other studies; and prepares investigative reports.

**Project Management Branch:** Administers, implements, and manages professional services contracts for planning, design and construction projects utilizing CIP appropriations and other sources of funds. Projects include new construction; renovations, repairs, and alterations to existing structures; furniture and equipment acquisitions for public buildings; and other improvements for the Executive, Legislative, and Judicial branches of State government.

**Technical Services Office:** Provides engineering and architectural technical administrative support services during the planning, design, construction, and post construction phases of projects. Implements and coordinates professional services selection and evaluation processes. Handles post-construction warranty issues. Updates the Design Consultant Criteria Manual (DCCM) which is a guide specification for design consultants.

**Hawaii, Kauai, and Maui District Offices:** Under the general direction of the State Comptroller, the DOs coordinate and implement the Public Works, Central Services, and Automotive Management programs in the respective geographic Districts. Under the supervision of the District Engineer, the public works branch of each DO administers construction and equipment contracts and performs field inspections to ensure that contractual terms are satisfied.

## **Department of Agriculture (DOAgri):**

**Agricultural Infrastructure Branch:** Statewide, full range of capital improvement project management from conception to final inspection (planning, design, construction, and everything in-between). Environmentally responsible subdivision development, commercial food facilities, utility scale water resource engineering (hydraulic and hydrology), on-site facility management, and more.

## **Department of Commerce and Consumer Affairs (DCCA):**

**Division of Consumer Advocacy:** The Division is tasked with representing the interest of consumers of regulated utility (i.e., electricity, telecommunications, gas, water, and wastewater) and transportation (i.e., motor and water carrier transportation services) companies that have been certificated by the Hawaii Public Utilities Commission ("Commission" or "PUC) to serve customers in Hawaii. Pursuant to Hawaii Revised Statutes Section 269-51 and Hawaii Administrative Rules Section 16-601-62, the Consumer Advocate, ex officio, a party to any proceeding before the Commission and must represent, protect, and advance the interests of all consumers, including small businesses, of utility and transportation services.

**Public Utilities Commission (PUC):** The PUC regulates all chartered, franchised, certificated, and registered public service companies operating in the State of Hawaii ("State") that provide electricity, telecommunication, gas, private water and sewage, motor and water carrier transportation services, and other entities as required by law ("regulated entities"). The Commission has statutory authority to enforce applicable State statutes, and to establish and enforce administrative rules and regulations, and to set policies and standards. The primary purpose of the engineering position is to provide engineering support for PUC's transportation and energy programs, to include review of the dockets, and to ensure compliance with established rules, standards, and orders. Duties and responsibilities include evaluating the compliance of regulated entities with applicable rules, statutes and orders; reading, synthesizing, and summarizing technical information; reviewing technical analyses performed by others; analyzing information, data, trends, and scenarios; and proposing potential solutions to current and developing issues and trends in the regulatory environment.

## **Department of Defense (DOD):**

**Engineering & Project Management Services Branch:** This branch provides the full range of engineering project management, construction management, and facility management services to the Engineering Office, and all divisions and staff offices in support of the department's statewide programs.

## **Department of Health (DOH):**

**Clean Air Branch (Permitting):** Administers the permit programs for stationary air pollution sources. Conducts technical analyses and modeling to ensure federal and state air requirements are satisfactorily addressed prior to permit issuance. Provides engineering support with permit compliance and enforcement actions. Branch consists of, but no limited to various engineering disciplines such as civil, mechanical, electrical, chemical, and industrial.

**Clean Air Branch (Program Development and Technical Support Staff):** Conducts technical analyses to develop and implement new air programs. Provides modeling and emissions inventory support for the Branch. Develops state air regulations and ensures compliance with applicable Federal laws and requirements including those related to greenhouse gas and climate change activities. Branch consists of, but not limited to various engineering disciplines such as civil, mechanical, electrical, chemical, and industrial.

**Clean Water (Engineering):** Administers the National Pollutant Discharge Elimination System (NPDES) permit program for point source pollutant discharges and the Section 401 Water Quality Certification program for federally permitted in-water activities. Performs engineering activities which include the review and evaluation of engineering plans and specifications, the design and maintenance of wastewater permit system, field and facilities inspections and investigations, interpretation of water quality data, special research, and administrative and public service activities. Assists in the planning, organizing and implementing of all functions of the water pollution control program. Branch consists but is not limited to various engineering disciplines such as civil, mechanical, electrical, and chemical.

**Safe Drinking Water (Compliance and Enforcement):** Provides statewide implementation and oversight of several water quality chemical monitoring rules supporting Safe Drinking Water Act compliance including Consumer Confidence Reports Rules and Phase II/Phase V Synthetic Organic/Inorganic Chemical Rules. Enforcement may involve determining when violations of the rules occur and assisting in developing actions or plans to return to compliance. Additionally, responsibilities include engineering plan and engineering report reviews, water system infrastructure field inspections including climbing tanks and hiking to sources. Positions also respond to public inquiries, coordinate with other City, State and Federal agencies regarding State and Federal drinking water compliance, and other duties as assigned by the supervisor.

**Safe Drinking Water (Engineering):** Provides statewide implementation and oversight of the Drinking Water State Revolving Loan Fund (DWSRF). Additionally, core Engineering Section responsibilities include, but are not limited to engineering plan and engineering report reviews, water system infrastructure field inspections including climbing tanks and hiking sources, response to public inquiries, coordination with other City, State and Federal agencies regarding State and Federal drinking water compliance, other duties as assigned by the supervisor.

**Solid & Hazardous Waste (Quality Management):** Provides engineering and technical environmental analysis to assist the Hazardous Waste, Solid Waste, and Underground Storage Tank Sections in the review of engineering designs to prevent potential releases and ensure regulatory compliance; and review of site assessment and action plans required in response to contamination of soil and groundwater from improper handling of hazardous waste, solid waste, or releases from underground storage tanks.

**Solid & Hazardous Waste (Office of Solid Waste Management):** Reviews Certified Redemption Center permit and certification applications, drafts permit and certification conditions, coordinates compliance inspections and oversees investigations of unpermitted activities. Provides permitting and enforcement assistance relating to solid waste management. Provides technical assistance to the regulated community.

**Wastewater (Planning/Design):** Reviews and approves engineering plans for existing and new individual wastewater system (IWS) and building permit plans to ensure compliance with Chapter 11-62, Hawaii Administrative Rules (HAR). Reviews and approves all land use documents related to IWS for compliance with Chapter 11-62, HAR.

**Wastewater (Construction Operations):** Performs Operation and Maintenance (O & M) inspections of public and private wastewater treatment works in the State for compliance with Chapter 11-62, Hawaii Administrative Rules (HAR). Investigates wastewater related complaints and initiates formal enforcement action to correct violations.

### **Department of Human Services/Hawaii Public Housing Authority (DHS/HPHA):**

**Construction Management Branch:** provides overall administration and technical assistance for construction projects to increase housing opportunities for low-income households throughout the State of Hawaii. The Branch also provides architectural and engineering reviews and inspection services for modernization, capital improvement, and the repair and maintenance of existing facilities.

### **Department of Land and Natural Resources (DLNR):**

**DLNR Engineering Division (Engineering Program Manager):** Provides engineering services for the implementation of departmental operating budget and Capital Improvement funded Projects and administration of the provisions of HRS Chapters 174 (Water and Land Development), 179 (Flood Control and Flood Water Conservation), 179D (Dam and Reservoir Safety), 180 (Soil and Water Conservation Districts), 182 (Reservation and Disposition of Government Mineral Rights) and 196D (Geothermal and Cable System Development).

**Project Management and Mineral Resources Branch:** Conduct and/or manage engineering, economic and environmental feasibility studies or assessments related to water or other departmental resources and their development; manage and/or coordinate the design departmental Capital Improvement Program and/or operating, repair and maintenance projects to ensure that the design of all projects is engineeringly sound, of optimal economy and meets all applicable legal requirements; regulate and manage geothermal resources statewide, and protect public safety by addressing hazards from rockfall or slope movements from DLNR lands.

**Project Management and Mineral Resources Branch, Design Section:** Conduct and/or manage engineering, economic and environmental feasibility studies or assessments related to water or other departmental resources and their development; manage and/or coordinate the design departmental Capital Improvement Program and/or operating, repair and maintenance projects to ensure that the design of all projects is engineeringly sound, of optimal economy and meets all applicable legal requirements.

**Project Management and Mineral Resources Branch, Mineral Resources Section:** Regulate and manage geothermal resources statewide and protect public safety by addressing hazards from rockfall or slope movements from DLNR lands.

**Construction and Flood Risk Management Branch:** Provides inspection and construction management of Capital Improvement and operating budget projects to ensure that all plans and specifications are followed, and that the construction work meets all applicable practical and legal requirements; and administers Flood Control and Dam Safety programs to protect public safety.

**Construction and Flood Risk Management Branch, Inspection Section:** Provides inspection and construction management of Capital Improvement and operating budget projects to ensure that all plans and specifications are followed, and that the construction work meets all applicable practical and legal requirements.

**Construction and Flood Risk Management Branch, Flood Control/Dam Safety Section:** Administers the state's Flood Control and Floodplain Management programs in coordination with federal, state, and county agencies; and administers the state's Dam Safety program in coordination with federal, state, county and/or private entities.

**Project Control Branch, Water Resource Planning Section:** Coordinates departmental and division-wide tasks including Capital Improvements project funding, grant applications, procurement requirements, project status tracking, and SWCD and division legislative matters.

**Project Control Branch, Project Management Section:** Coordinates all procurement and contracting matters performed by the division, including all related documentation, processing and reporting, in its support of departmental programs.

## **Department of Transportation – Administration (DOT-ADMIN):**

**Statewide Transportation Planning Office (STP):** Serves as head of the Programming Staff and to plan, organize, direct, oversee and conduct programming for the funding of a variety of approved planning and research projects to address current statewide transportation problems and issues, which include those that require the application of engineering principles and practices in evaluating the nature and scope of projects and applicable cost factors and in establishing and maintain effective interactions with Federal, State, and County engineering personnel and senior managers in dealing with technical issues.

## **Department of Transportation – Airports Division (DOT-AIR):**

**Programs Management Office:** Coordinates the scheduling of projects, monitors progress of projects, prepares the Capital Improvement Program (CIP) budget, determines CIP funding requirements, maintains project controls for funding all CIP projects, ensures compliance with Federal grant requirements, manages the Passenger Facility Charge program, assists the Financial Management Staff with federal payments and Airport Revenue Bond issuances, manages the Engineering Program Management Software Oracle Primavera Unifier, provides quality assurance for the Engineering Branch, is the liaison with the Compliance Management Office for DBE requirements for the Engineering Branch, and coordinates project requirements for the Airport-Airline Lease Agreement.

**Airfield Section:** Provides project administration and management for statewide airport capital improvement and maintenance projects for airfields and associated systems and functions; coordinates approval for all divisional Construction Safety Phasing Plans; coordinates mitigation of FAA Part 139 discrepancies; administer divisional FAA Runway Safety Area (RSA) Improvement programs; and manage the airfield Pavement Management System (PMS).

**Planning Section:** Responsible for planning, organizing and directing the planning activities of the Airport Division; coordinates activities with the Statewide Transportation Planning Office and county, state and federal agencies; prepares and develops master plans and formulates integrated airport development, planning and programming; develops planning studies and reports; holds public informational meetings and hearings; and operates and maintains the noise monitoring system.

**Design and Construction Sections I & II:** Provides project administration and management for the statewide airport Capital Improvement Plan (CIP) and maintenance projects; plans, organizes, directs, coordinates, and monitors multiple consultant design, construction management, and construction contracts for the development of the CIP and maintenance projects; prepares plans, specifications, and other engineering reports for the CIP and maintenance projects; conducts bidding of CIP and maintenance projects; solicits proposals for design-build and consultant contracts; prepares the award documents for the design, construction management, and construction contracts;

prepares environmental impact assessment reports, construction permit applications, and Project Definition Reports for the CIP and maintenance projects; manages the project closeout and warranty periods for the CIP and maintenance projects; works with the FAA to secure federal grant-in-aid for projects and inspects construction projects for compliance.

**Special Maintenance Section:** The function of this Section is to provide project administration and management for statewide airport capital improvement and maintenance projects. The primary purpose of this Section is to plan, organize, direct, coordinate and monitor multiple consultant design, construction and maintenance management for the development of statewide airport capital improvement and maintenance projects.

**Environmental Section:** The Environmental Section serves as the divisional coordinator for matters relating to environmental compliance at all 15 State operated airports. Subject matters include, but are not limited to: stormwater, water quality, wastewater, hazardous waste, petroleum storage, and contaminated media. AIR-EE oversees these environmental matters as they relate to airport operations, tenant facilities, construction sites, drainage infrastructure, and asset management.

#### **Department of Transportation Harbors (DOT-HAR):**

**Harbors Engineering Branch, Construction Section (HAR-EC):** provides the Harbors with Engineering construction support, specifically, the Construction Section manages special maintenance and new capital improvement construction projects for the Harbors; holds preconstruction meetings and schedules construction activities; coordinates projects with contractor and district offices; conducts inspection of projects and enforces compliance to construction plans and specifications; prepares progress reports, issues change orders and prepares estimates of project costs for payment purposes; makes field corrections of construction plans and maintains construction records.

#### **Department of Transportation Highways (DOT-HWYS):**

**Project Coordination and Technical Services Office:** The Project Coordination Staff monitors all highway projects from the planning phase through the construction phase for the statewide Capital Improvement Program and the statewide Special Maintenance Program. This group assists branches and districts with systemic problem resolution to ensure that critical project deadlines are met and projects are completed as scheduled in each phase; plans, develops, implements and manages a statewide project management system to include all federal and state highway projects and county federal-aid projects; Engineers within this group will need to understand the functional engineering relationships and processes to assess and develop meaningful and useable project and program information systems for program and project managers, administrative staff, and the public Finally, the engineers in this section will serve as a Local Public Agency (LPA) coordinator for county federal aid-projects.

The Technical Services Staff manages the statewide engineering technical services program for the division. Engineers within this group coordinates and handles all complaints filed for legal action; provides engineering technical opinions to the Deputy Attorney Generals; provides engineering expert oral testimony in court; provides divisional guidance on legal issues to the branches, districts and staff offices; plans, develops, implements and manages the divisional legal training program. Finally, the engineers in this section act as the divisional engineering liaison with the Department of the Attorney General, County Corporation Counsels, Federal agencies, other State agencies and other County agencies on legal related matters.

Our office is currently comprised of licensed Professional Engineers, including Senior management positions and office staff.

**Construction and Maintenance Branch:** The function of Highway Construction and Maintenance Branch is to provide management services on statewide highway construction and maintenance programs. The Branch consists of three sections (construction, maintenance and environmental) whose primary responsibility is to develop policy and procedures to ensure uniform compliance with applicable Federal and State laws and rules. Staffing generally consists of civil, structural and environmental engineers and office staff.

**Design Branch:** The Design Branch primarily manages and prepares construction plans, specifications, and estimates for highway projects; advertises, bids, and awards these projects to construction Contractors; manages private design consultants; and provides technical expertise to others in the Highways Division as well as other government agencies and the private sector. Our Design Branch consists of multi-Civil Engineering disciplines that work collaboratively to design various highway projects. Disciplines include roadway design, hydraulics, structural (bridge), surveying, environmental, landscape and project management.

**Materials Testing and Research Branch:** The Materials Testing and Research Branch is involved with implementing the following Statewide Programs: Materials Quality Assurance (QA) Program; AASHTO Accredited Laboratory for Testing of Construction Materials; Approved Product List (APL): Qualification Certification Program for Laboratory and Field Personnel; Pavement Design and Pavement Management System (PMS); Pavement Preservation Program; Rockfall Protection Program; Shoreline Protection Program; Geotechnical Engineering Studies; Research, Development, & Technology Transfer (RD&TT) Program; State Transportation Innovation Council (STIC) Program; Local Technical Assistance Program (LTAP); and assist with the Division's Work Force Development Program.

**Planning Branch:** Our planning branch performs many functions for the Highways Division which includes data collection and reporting, GIS mapping, develops and implements multi-modal planning studies, performs environmental assessments, and provide guidance on the Division's long-, mid- and short-term transportation needs in



the State. In performing our various technical functions our team collaboratively works with other team members throughout the Division to learn and apply their technical work into ours. These other functions include engineering design, environmental assessments, land acquisition, budgeting and financial, and procurement and contracting.

**Staff Services Office:** The Staff Services Office supports over 1,000 state employees assigned to the Highways Division, Department of Transportation by providing project management, budget preparation and management, fiscal processing, personnel to recruit and retain the best and the brightest and clerical support services through technology.

**Traffic Branch:** The Traffic Branch provide opportunities in three areas of traffic engineering; traffic operations, traffic design and traffic safety. Engineers work together across all three areas to provide traffic engineering services to others in the Highways Division as well as other government agencies, private sector, and the public. Traffic operations conduct studies on traffic operational problems to determine cause(s); provide alternatives for problem resolution; and formulate action plan. Action plan can include implementation and evaluation of new and/or innovative alternatives. Traffic design manages and prepares design plans, specifications and cost estimates for roadway pavement markings and signs, traffic signals, highway lighting, and operational and safety improvement projects. Traffic design also manages traffic design standards, work zone safety and mobility processes and guidelines, and crashworthy temporary and permanent highway safety hardware requirements for the Highways Division. Traffic safety manages the State of Hawaii Advance Crash Analysis (SHACA) system and the Highway Safety Improvement Program (HSIP). Engineers analyzes traffic crash records; conduct studies highway facilities and provide recommendations to improve traffic safety; implements and monitor improvement; and conducts follow-up studies to ascertain efficacy of improvements.

**Oahu District:** As the largest district within the Highways Division, we have the distinct honor and pleasure of serving over 90% of the State of Hawaii's more than 1.2 million residents. The Oahu District serves our community by providing maintenance for all State freeways, highways, roadways, tunnels and various assets with an operating budget of almost \$50 million, and a special maintenance budget of over \$40 million. We are also responsible for programming and managing over \$100 million in new construction for Highways. In addition, we have an award winning environmental and safety section that oversees the health and welfare of our environment, our fellow employees and, most especially, of our community.

**Neighbor Island Districts:** Hawai'i, Maui, and Kaua'i Districts similarly provide services to each of their island communities. The approximate population of each island is: Hawai'i Island 187,000; Maui 144,000; and Kaua'i 67,000.