

**BENEFITS, SERVICES, EXPERIENCE
PREPARED FOR**

PROSPECTIVE CLIENTS



**ENVIRONMENTAL
CONSTRUCTION
DESIGN-BUILD
ENGINEERING
LOGISTICS**

**STATEMENT OF
QUALIFICATIONS**

**COMPREHENSIVE ENVIRONMENTAL & CONSTRUCTION SERVICES,
LOGISTICS MANAGEMENT, AND EQUIPMENT FOR EVERY
PHASE OF PROGRAM AND PROJECT MANAGEMENT**



CORE COMPETENCIES

ENVIRONMENTAL

- ▶ Operations and Maintenance
- ▶ Preparation, Characterization, Field Investigation, Conservation, Closure
- ▶ Long-Term Monitoring/Operation
- ▶ Ordnance Removal and Support
- ▶ HTRW
- ▶ Wetland Delineation and Restoration
- ▶ Ecological Restoration
- ▶ Emergency Response
- ▶ UST/AST Removal
- ▶ Soil Vapor Extraction
- ▶ Small Arms Range Clean-Up
- ▶ Fate and Transport Modeling
- ▶ UVOST Investigations
- ▶ Environmental Geoprobe

DESIGN-BUILD & CONSTRUCTION

- ▶ Value Engineering for Design
- ▶ Design-Bid-Build
- ▶ Demolition/Renovation

DIFFERENTIATORS

- ▶ Large business capabilities and reachback, with small business flexibility that gets the job done
- ▶ Serving the federal government since 1961
- ▶ Remote Alaska, Hawaii, Pacific and nationwide performance
- ▶ Brice-AECOM Joint Venture
- ▶ Self-sufficient logistical assets for remote mobilization, and demobilization
- ▶ In-house Geoprobe and UVOST Investigation Services
- ▶ In-house UAS Orthoimagery Services

Brice Environmental Services Corporation is a self-performing, Alaska Native Corporation (ANC) 8(a) Small Business and a proud Calista Corporation subsidiary. Our company and our culture are built on more than a half century of leadership and a strict adherence to our values for—safety as a #1 priority, quality, integrity and ethics. With projects, people, and offices in Alaska, Hawaii, Washington state, California, Utah, Alabama, and the Pacific; coupled with government-approved management systems, Brice has unmatched reach and expertise for a small business, allowing us to deliver cost-effective, low-risk performance to our clients.

Major environmental, engineering, design-build and construction projects are complex undertakings involving millions of dollars in resources, materials, equipment, and services in challenging locations requiring sophisticated procurement and logistics planning. Orchestrating these projects and operations demands first-rate project management—something Brice has provided safely and successfully for more than 55 years.

As a subsidiary within the \$400M+ Calista Corporation with more than 25,000 shareholders and assets nationally, our companies are highly stable with long-term goals. Within the last 24 months we have recruited and hired 40+ new environmental and construction staff and best talent from across the U.S.

We leverage the capabilities of our sister companies in Calista and are continually investing in systems and best practices to increase quality and productivity greatly enhancing our competitive position in the

business market. We are continually increasing our geographic footprint throughout the lower-48 states and the Pacific to support current and new work, and are leveraging our marine capabilities and familiarity with the Defense Base Act to support work on Wake Island and other Pacific islands.

Performance and client satisfaction are our goals, and we value the commendations and awards bestowed by our clients. Our project teams have the proven performance and expertise to provide our public and private sector clients with the most reliable program and project resources capable of delivering safe, budget conscious, high quality work.

Our door is always open, and we would be privileged to share our detailed capabilities and resources available to serve your needs.

Vision	Brice Environmental Services Corporation is a diverse and sustainable ANC 8(a) with a nationwide reputation for excellence
Mission	To ensure financial and cultural prosperity for our Calista shareholders
Goals	To increase the diversity of our clients and geographic portfolio through a sustainable growth strategy that capitalizes on the Brice reputation for excellence
Objectives	Maximize our repeat business rate; expand our reach in the Lower-48 and the Pacific Region; and continue to provide value added environmental and construction services to our clients and customers

BRICE WAS BUILT ON FAMILY VALUES GOING BACK TO OUR FOUNDERS. THAT MEANS, WE WILL ALWAYS HAVE YOUR BACK.



Barge arriving Wake Island



Ocean Cape, Alaska



Dutch Island, Alaska



Eareckson Air Station Roof Repair



Drum Remediation Project

SPECIAL ANC 8(A) Advantages

SPECIAL RIGHTS UNDER THE 8(A) PROGRAM

Brice is certified by the SBA as an Alaska Native Corporation (ANC) 8(a), offering significant advantages to government contracting agencies. These special contracting provisions include \$20 Million limit sole source 8(a) contracts, 8(a) set-aside competitive advantages, expedited A-76 authority, and 5% bonus for Department of Defense (DoD) contractors that subcontract with Native American-owned firms. Other 8(a) firms may not receive sole source contracts in excess of \$4 million for construction services.

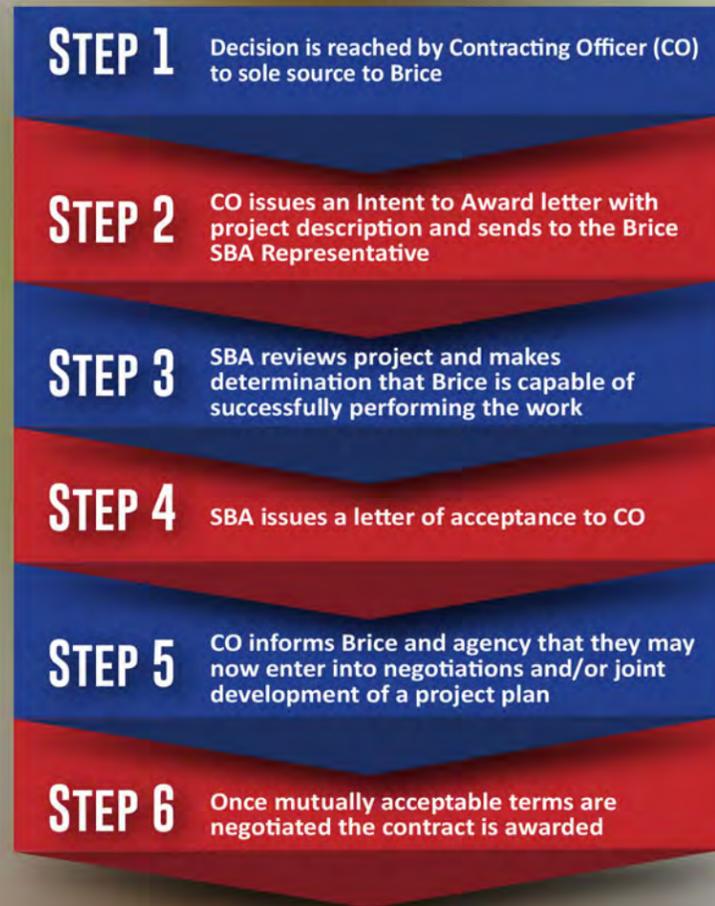
SPECIAL RIGHTS UNDER THE A-76 PROGRAM

Specific to U.S. government contracting officers, language within the Defense Appropriations Act states that a command does not have to go through the A-76 process, but may transact a direct conversion of that function to a private contractor, regardless of the number of civilian employees, if the command contracts with a firm that is 51 percent, or more Native American-owned, so long as the conversion is cost-effective.

THE 5 PERCENT SUBCONTRACTING BONUS

As a participant of the DoD Native Incentive Program and pursuant to statutory language and implementing regulations, a DoD prime contractor that subcontracts with a firm that is 51 percent or more Native American-owned is entitled to receive a rebate equal to 5 percent of the amount of the subcontract award.

DECISION TREE



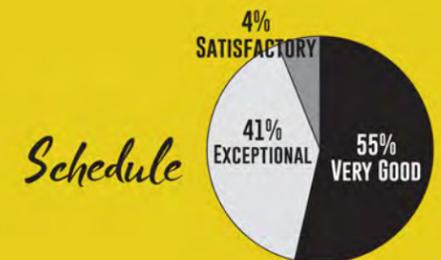
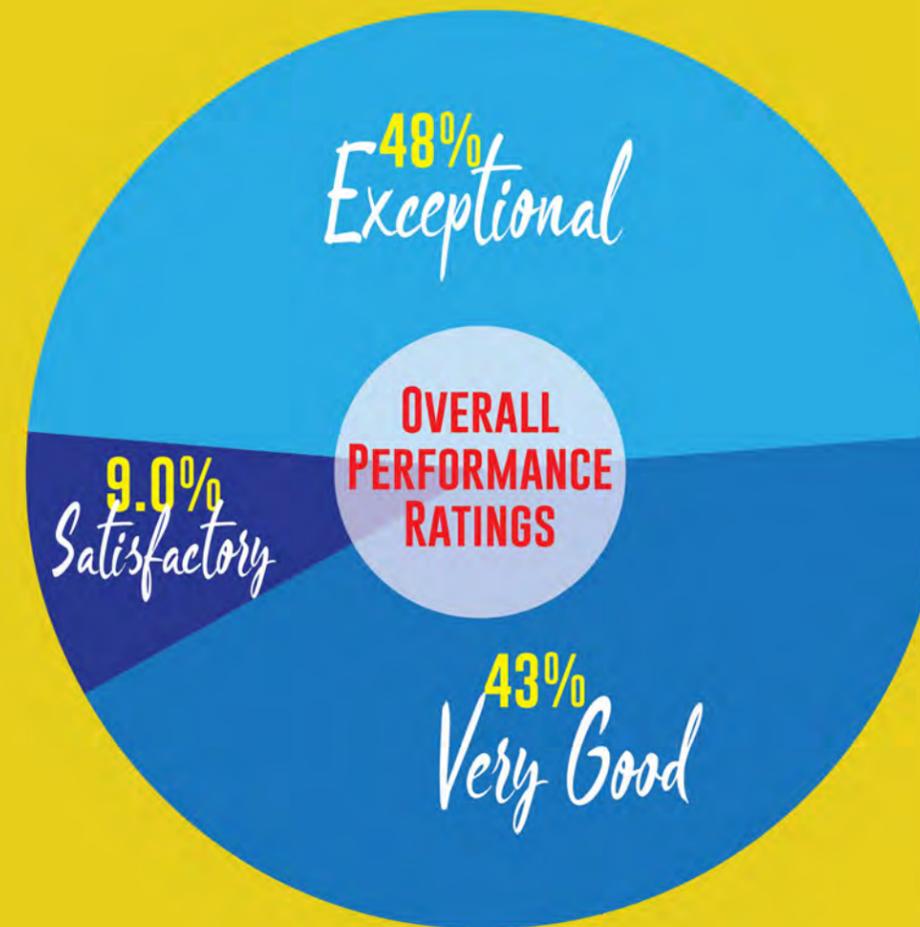
Sole-Source awards can be of any size:
Exempt from \$4M cap
Per 13 CFR 124.517(a)

ANC 8(a) sole-source awards cannot be protested:
Per 13 CFR 124.517(a)



DOD CPARS AND PPQ PERFORMANCE Ratings

Our performance is enhanced by our ability to control quality, costs, and schedules through effective staffing, use of firm-wide project controls, baseline scheduling, planning, and reporting. Our past performance and work quality are best demonstrated through client testimonials, CPAR ratings, and our long-term client relationships.



Safety FIRST

Brice is committed to developing a culture that promotes an incident and injury-free environment and provides the safest workplace possible for our employees, subcontractors, clients, and anyone who enters or who is near our construction sites. Through innovative training and education programs, such as our Behavior Based Safety (BBS) workshop, we provide our employees and subcontractors with the tools, knowledge and resources they need to increase their awareness of the factors that influence safety, reduce risk, and get home safely to their families on every project. We value and instill in all of our employees a “safety first” mind set, where every employee has the authority to immediately stop work.

EMR RATING
0.63

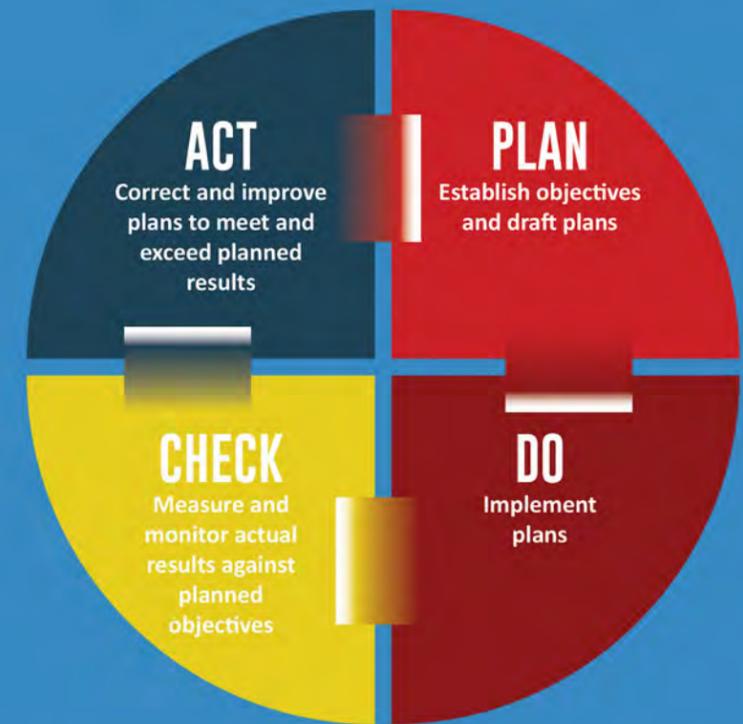
OUR COMMITMENTS

1	Integrate design, production, safety, environmental, and quality
2	Meet with design, construction, safety, environmental, and quality leads
3	Examine, witness, inspect, check, sample, and test materials
4	Document, communicate, and store reports as performance evidence

We believe quality is built in, not added on. It’s built in when each work assignment is properly sequenced, appropriately staffed, and properly checked throughout environmental, and design and construction projects. This planning enables Brice to prevent errors and omissions rather than address deficiencies after completion. It’s our intent to deliver this every project, including all products and services, in full compliance with contract documents, applicable specifications, and relevant regulatory requirements.

Our quality management system identifies and details activities, processes, and practices, as well as the criteria and methods for monitoring and controlling overall project quality. The plan-do-check-act cycle is the operating principle. By following this cycle, we can effectively manage and continually improve a project’s effectiveness. Quality assurance and quality control are essential components of the daily operations at the companies of Brice.

Quality GUARANTEED



PROJECT *Controls*

Brice brings experience in managing large and small projects and programs and has developed many standardized processes and systems that are tailored to each project or program’s specific needs and requirements. The purpose of our project control system is to develop budget and schedule certainty and appropriately execute management processes to deliver the project on schedule and within budget.

We utilize multiple industry leading edge tools that are capable of rolling-up into larger “program” controls for integration into overall project development. In addition to the Brice companies, we have the ability to leverage corporate support through our parent corporation, the Calista Corporation that maintains key resource support for project controls.

Some of the tools we utilize in our project controls include:

- **Deltak Costpoint** | Company-wide accounting system
- **Primavera Contract Manager** | Project-specific document control
- **HCSS Heavy Bid** | Estimating software
- **HCSS Heavy Job** | Cost and project tracking software
- **Primavera P6** | Scheduling software
- **Autodesk Civil 3D** | Surface modeling and road design



Logistics EXPERTISE

Brice is very familiar with mobilizing to remote locations and providing dedicated staff to meet project objectives. Many of our project sites are accessible only by air and marine, and therefore have a developed network of carriers to assist along the west coast of the US, Alaska, and Hawaii that are already acquainted with deployment to remote Alaska, Hawaii, and the Pacific.

Brice currently has over 3,000 tons of equipment carried by vessel for projects taking place at Wake Island Airfield (WIA) and Eareckson Air Station (EAS) on Shemya Island, Alaska. Personnel, equipment, materials, and supplies are sourced from all reaches of the United States, and coordinated with 13 different carriers to deliver by road, air, and sea to arrive on time and on budget.

To support our current, concurrent execution of environmental and construction projects in the Pacific, Brice acquired services from 12 specialty subcontractors and is managing a workforce of over 50 staff dedicated to these projects alone. Brice personnel mobilize from eight different states.

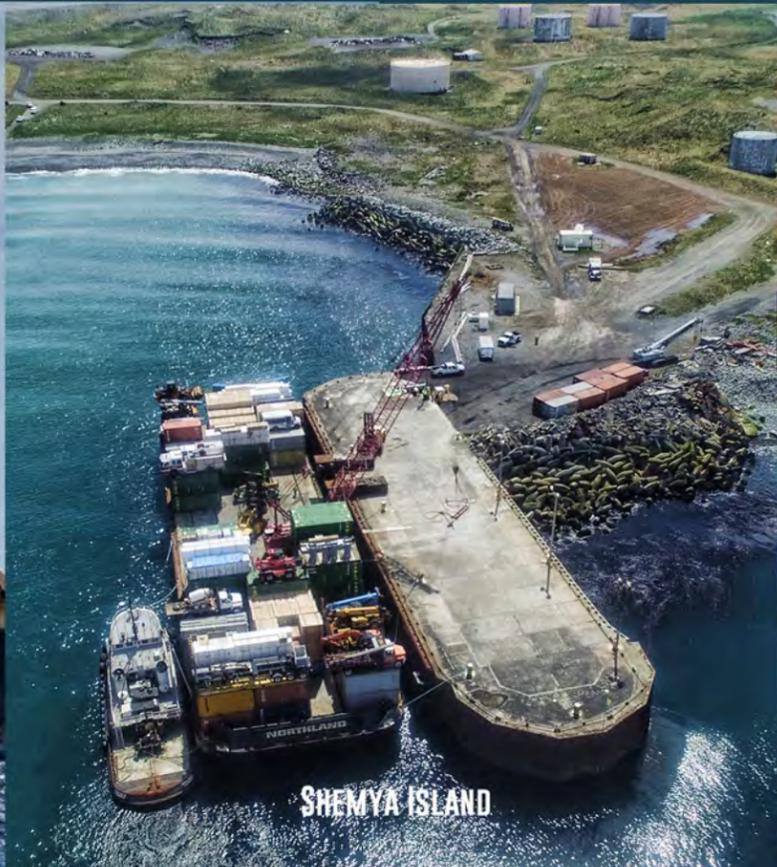
Specifically, Brice's ability to effectively and safely execute complex construction and environmental projects with cultural sensitivity and knowledge of local remote conditions is a unique blend of institutional knowledge and professional experience.

WAKE ISLAND AIRFIELD (WIA) LOGISTICS OVERVIEW

WIA is located approximately 2200 nautical miles west of Hawaii and 4,500 nautical miles from Seattle. A tug and barge operation sails from Honolulu to WIA in approximately 11 days.

A dedicated Brice chartered original barge left Seattle and went to WIA with 115 containers of project specific construction materials. Within one month, these containers were distributed and unloaded throughout the island base. Brice was able to move all containers through each stage on-island safely and efficiently, and removed more than 600 tons of waste within a one month time period. Containers were weighed prior to staging at the pier to increase efficiency of loading the barge for the backhaul, and compose a load plan based on weights.

Due to a very short working schedule between barges, and inefficiencies of relying solely on a single on-island BOSS contractor, Brice brought our own heavy equipment and operators including: 60 ton lift truck, 200 class excavator, 50 class excavator, skid steer/grapple, dump truck, and trailer to efficiently execute the work. We also maintain a full-time mechanic to keep the equipment safe and fully operational under extreme tropical conditions. Brice is a self-performing and highly efficient WIA contractor producing quality products and results with minimized risk to our clients.



Brice-AECOM JV1 is an Alaska Native Regional Corporation (ANC) 8(a) Small Business, that brings the sophistication of a large world class company in a Mentor-Protégé Agreement (MPA). We leverage a 55-year history with offices in 150+ countries and 85,000+ employees providing global reach, local knowledge, and innovation; government-approved management systems to deliver cost-effective, low-risk performance to clients; and \$200 million in bonding capacity.

The long-standing relationships between Brice and AECOM have developed and matured through performance on multiple successfully executed environmental and construction projects. This team's long history of working together eliminates a learning curve and reduces performance risk, offering immediate mobilization as a proven and unified team that greatly benefits our client program and project missions.

The Brice-AECOM MPA team integrates the best of two worlds: the resources, stability, and experience of an established large business (mentor); combined with: the innovation, focus, and energy of a small, emerging, disadvantaged business (protégé).

BENEFITS OF AN MPA-JV

- ▶ An SBA ANC 8(a) Joint Venture a small business can bid on Federal procurements that are set-aside for small businesses and 8(a) participants; JV can get direct award 8(a) contracts
- ▶ Protégés gain access to the business and technical expertise and technology/knowledge transfer from a large firm, broaden their market areas and client base, and participate in new large-scale efforts they may be unable to lead on their own
- ▶ Clients gain access to the corporate capabilities and resources of large companies and the emerging technologies that are often delivered by small companies
- ▶ Government agencies can support small business opportunities and meet their agencies' small business prime and subcontracting goals

55 YEARS OF REMOTE AND ARCTIC CONSTRUCTION AND ENVIRONMENTAL EXPERIENCE

0.63 EMR SAFETY RATING, WELL BELOW THE AVERAGE OF 1.00

\$200M BONDING CAPACITY, \$85M SINGLE

\$40M CREDIT LINE THROUGH THE PARENT CORPORATION

\$76M INVENTORY OF EQUIPMENT AND MARINE ASSETS

96% CLIENT REPEAT RATE DUE TO EXCEPTIONAL AND VERY GOOD PERFORMANCE RATINGS

GEOPROBE & UVOST INVESTIGATION Services

Brice has invested in technologies to provide value added environmental support services for our clients. By coupling ultraviolet optical screening tool technology (UVOST) and direct-push drilling services, we reduce risk, enhance data quality, and maximize field productivity for all phases of environmental work from initial investigation through remediation.

Chemical injections—Brice’s injection probes can penetrate the subsurface using a Geoprobe unit to specific target depths. To perform injections, chemicals are then pumped through the probes using a ChemGrout 550A injection pump. Our experience with chemical injections has demonstrated an average production rate of 12 to 16 20-ft injection probes per day, with the ability to pump up to 1,600 gallons of chemical reagent in a single day.

UVOST Investigations

Brice specializes in the use of UVOST technology to determine the horizontal and vertical extents of contamination. UVOST uses laser-induced fluorescence to detect and measure fuel constituents in soil, in real time during site investigations, allowing us to reduce project costs for our clients and customers.

Specifically, the real time data ensures that samples are collected at locations that provide the maximum benefit in support of data quality objectives and the development of accurate conceptual site models, which are critical for regulatory approval. Brice has completed UVOST investigations at nearly 20 sites throughout Alaska for our federal clients.

Environmental GEOPROBE™

Brice’s equipment fleet includes Geoprobe™ 6610DT and Geoprobe™ 6620DT direct-push tracked vehicles and a portable Geoprobe™ 540MT direct-push drill rig. Direct-push drilling uses percussion power to “hammer” sampling equipment into the subsurface to extract soil and groundwater for laboratory analysis. The tracked Geoprobe offers several advantages: it can be used in hard-to-reach locations; the low-ground pressure, tracked components ensure minimal impact to the environment; and the Geoprobe rigs minimize soil waste generated during drilling, resulting in a direct cost savings for our clients and customers.

The Geoprobe™ 6610DT and 6620DT can also install temporary and permanent groundwater monitoring wells. The subsurface is drilled with 3.25-in (DT325 system) or 4.5-in (DT45) probe rods and 1.5-in or 2.0-in inner diameter pre-packed well screens are lowered and secured in-place with PVC risers. Wells can be temporarily developed, sampled, and then removed or permanently developed for multiple groundwater sampling events.



UAS Orthoimagery

Highly detailed aerial imagery for project sites is now an affordable option, thanks to advancements in unmanned aircraft systems (UAS) technology and digital photogrammetry. These technological advancements allow for the creation of centimeter pixel resolution imagery with much greater detail than that found in satellite imagery and traditional aerial imagery. In fact, UAS orthoimagery can contain over 10,000 pixels within the space of a single satellite imagery pixel. That means through UAS orthoimagery, actual ground conditions are visible to the naked eye—we can now see things that were not previously distinguishable in satellite imagery.

The USGS definition states: “Orthoimagery data typically are high resolution aerial images that combine the visual attributes of an aerial photograph with the spatial accuracy and reliability of a planimetric map”.

Through orthorectification of UAS aerial imagery a constant scale is generated, where features are displayed in their “true”, or planimetrically correct position. The UAS orthoimage can then be georeferenced to survey data on the ground, resulting in an accurate dataset.

OUR Capabilities

HIGH RESOLUTION AERIAL MAPPING

- ▶ Centimeter resolution orthorectified aerial imagery
- ▶ High accuracy georeferencing
- ▶ Surface modeling and topographic measurements
- ▶ Material quantity estimating

SITE DOCUMENTATION

- ▶ Oblique photography
- ▶ High definition video
- ▶ Change detection and site monitoring
- ▶ Remote infrastructure inspection

FAA REMOTE PILOT ENDORSEMENT

- ▶ Multiple pilot endorsements
- ▶ Approximately 100 flight hours with no reportable incidents

UAS Services

Brice self-performs UAS orthoimagery with minimal additional project costs. We utilize a large-format, Micro Four Thirds (MFT) 16-megapixel camera on our UAS to capture imagery. Different lenses can be outfitted on the camera, to apply the focal length most suitable to site conditions.

- ▶ Orthorectified aerial imagery
- ▶ 4k high-definition video and oblique imagery
- ▶ Thermal Infrared imaging and mapping
- ▶ Remote inspection of civil infrastructure, such as towers and bridges
- ▶ Digital terrain modeling and volume estimating
- ▶ Project site monitoring





Environmental PROJECTS



REMEDIAL INVESTIGATION (RI) OCEAN CAPE RADIO RELAY SITE, YAKUTAT, ALASKA
USACE Alaska District

REMEDIAL INVESTIGATION (RI), YAKUTAT, ALASKA
USACE Alaska District

AIR QUALITY – EPCRA SUPPORT AT EIELSON AFB, JOINT BASE ELMENDORF-RICHARDSON (JBER), AND CLEAR AIR FORCE STATION (AFS), TO 20 PACAF Environmental Services and Construction (ESC) IDIQ MATOC

REMEDIAL INVESTIGATION (RI) ASHTON AIR ROUTE SURVEILLANCE RADAR (ARSR) EQUIPMENT GARAGE, ISLAND PARK, IDAHO
Federal Aviation Administration (FAA)

INFRASTRUCTURE REMOVAL AND RELEASE INVESTIGATION (RI), CHIRIKOF ISLAND ALASKA
Federal Aviation Administration (FAA)

IN-SITU REMEDIATION PILOT STUDY AND PRODUCT BAIL-DOWN TESTING, COLD BAY, ALASKA - AND BENCH-SCALE PILOT STUDY AND FEASIBILITY STUDY, PUNTILLA LAKE, ALASKA
Federal Aviation Administration (FAA)

Performed the RIs at eight discrete sites believed to have significant Polychlorinated Biphenyl (PCB) and petroleum, oil, and lubricants (POL) soil contamination. Definable features of work for this project included tree clearing/grubbing, geophysical surveys, direct-push drilling for the installation of groundwater monitoring wells and environmental sampling, analytical sampling including the collection of geotechnical samples, waste management, and surveying activities.

Data collection objectives included collecting sufficient data to determine alternative cleanup levels using the ADEC Method Three and Cumulative Risk Calculator, and assessing human health risks associated with the sites using the ADEC Hydrocarbon Risk Calculator.

Performed characterization of contamination resulting from past military activities at nine CON/HTRW sites implementing innovative technology. Conducted RIs to characterize sites not previously investigated and fill data gaps at sites previously investigated to evaluate human health and ecological risk in soil, groundwater, and sediment; ecological risk was evaluated in soil and groundwater. Soil, groundwater, and sediment were sampled, monitoring wells were installed, and incremental sampling methodology was used as part of the evaluation. Sufficient information was gathered to proceed with a feasibility study (FS), a removal action, and project closure for each site. Also developed a risk assessment strategy for multi-incremental sampling and a sediment toxicity and bioaccumulation bioassay program for selected sites.

This ESC-PACAF contract task order includes scope for environmental compliance and reporting services at three active military installations. Air quality tasks included EPCRA reporting and triennial emission inventory; EPCRA Section 302 - 303 - Community Right to Know Requirements; Clear AFS and Eielson AFB air emissions inventory; air quality recordkeeping and compliance support; and Eielson AFB Title V Post Submittal support. Developed all associated project work and safety plans specific to all three sites.

Brice and our support subcontractor for this project, AECOM, utilized our knowledge to minimize assistance requirements from AFICA and base personnel to efficiently complete the required tasks. All work was performed safely, on schedule, and within budget.

The purpose of the RI was to investigate the condition of and potential contamination associated with up to three sumps that were plumbed to potential underground injection control (UIC) wells. Upon completion of the RI including video imaging, drilling and test pitting, the site was restored to a fully operational condition. Prepared a final report summarizing the field activities with recommendations. The field data collection, including analytical results for VOCs, SVOCs, and RCRA metals, indicated that the potential UIC wells did not impact surrounding soil and groundwater. Recommended No Further Action and provided design criteria for the sumps to be upgraded to an intrinsic oil water separator system. These conclusions and recommendations were accepted by both the FAA and Idaho Department of Environmental Quality (IDEQ) with no comment.

Removed all contaminated debris, including batteries, transformers, hardened lead based paint cans, cylinders, and lead cable. Analytical results indicated that the remaining debris was not contaminated with ACM, PCBs, or leachable lead and was therefore not an inherent danger to human health or the environment. Following analytical review from Phase 1, all inert debris and infrastructure was left on the island to avoid the potential environmental impact caused by removal, such as accelerated erosion. Based on the analytical results for samples collected during Phase 1, provided recommendations for soil removal actions from specific areas to achieve cleanup levels protective of the ecological receptors residing on Chirikof Island in the Alaska Maritime National Wildlife Refuge. Project was performed at a remote site requiring complex mobilization and demobilization logistics.

Performed a pilot study to evaluate in-situ chemical oxidation (ISCO) as a remedial alternative and product bail-down testing at a former FAA Station in Cold Bay. If the ISCO treatment is successful, a site-wide ISCO treatment design will be evaluated for implementation.

At Puntilla Lake, performed a bench-scale pilot study to evaluate in-situ smoldering, known as Self-Sustaining Treatment for Active Remediation (STAR) and ISCO as remedial alternatives; results were presented in a feasibility study for this petroleum-contaminated site.

Environmental PROJECTS



FORMER FLIGHT STATION (FFS) DEMOLITION AND DECOMMISSIONING, KOTZEBUE, ALASKA
Federal Aviation Administration (FAA)

Performed the removal of a 2,150 sf FFS and selective demolition of a neighboring National Weather Service (NWS) structure that included asbestos and lead paint abatement, removal of two 1,000-gallon water and septic underground storage tanks (UST), 900 lineal feet of concrete utiliduct, and a septic lift station. The NWS structures consisted of one 12' x 12' two-story wood frame building, and a 32' x 16' structure, totaling 656 square feet.

Also removed a previously closed UST near the current Very High Frequency Omni-Directional Range, and lead in soils around the NWS and FFS structures. Removed over 1,280 cy of waste materials that were transported and disposed in compliance with ADEC regulations, and restored the site to match the surrounding area.

REMEDIAL INVESTIGATION (RI) OCEAN CAPE RADIO RELAY SITE (RRS), YAKUTAT, ALASKA
USACE Alaska District

Performed a RI at eight discrete sites suspected to have polychlorinated biphenyl (PCB) and petroleum, oil, and lubricants (POL) contamination in various media including surface and subsurface soil, groundwater, surface water, and sediment. Seven sites were associated with the operation of the RRS and one site associated with former WWII operations. Completed ADEC's Human Health Conceptual Site Model, Ecological Conceptual Site Model, and Ecoscoping Forms for each site. In addition to PCBs, contaminants included metals, fuels, polycyclic aromatic hydrocarbon (PAH), dioxins and furans. Also performed sampling and analysis to determine alternative cleanup levels using the ADEC Method Three and Cumulative Risk Calculator, and remedial alternatives.



SOLID WASTE REMOVAL, WAKE ISLAND AIRFIELD (WIA)
USACE Alaska District

In 2014, USACE conducted an inventory of a Solid Waste Accumulation Area (SWAA) in the WIA that held approximately 3,000 tons of waste. The inventory also estimated another 4,000 tons of legacy waste and recyclables around the island, much of which was entangled within vegetation. The waste consisted of metals, tires, porcelain, building materials and vehicles that had accumulated since the 1940s. Performed the cleanup and removal of this solid waste over three field seasons to date. The project goals were to reduce environmental impacts on WIA, eliminate uncontrolled dump sites and the improper disposal of hazardous and nonhazardous waste, and remove a source of harborage for the island's rat population. As of March 2018, removed approximately 2,600 tons since 2016, or ~75% of the total cubic feet of solid waste for removal from WIA.

REMEDIAL ACTION, WAKE ISLAND AIRFIELD (WIA)
AFCEC

The project objective was the removal of polychlorinated biphenyls (PCB)-contaminated soil at OT013, excavation of dioxin-contaminated soil at ZZ011, confirmation soil sampling, and disposal and transport of all PCB and dioxin-contaminated soil to an off-site facility. Removed approximately 247 cubic yards/296 tons of PCB-contaminated soil and eight tons of debris. Based on the results of environmental sampling, no further action was recommended. The contaminated soil was barged to Arlington, Oregon for disposal.

With concurrent projects on Wake Island reduced mobilization costs were realized by over \$1 million in barging, and \$11,000 in personnel mobilization, by using on-site personnel and equipment.



AIRPORT STAGING AREA FIRE TRAINING PIT (FTP), FUDS, MEAN HYDRAULIC GRADIENT STUDY AND DATA COMPILATION, KODIAK, ISLAND, ALASKA
USACE Alaska District

Completed a mean hydraulic gradient study and non-aqueous phase liquid (NAPL) characterization. The source of contamination was an FTP used by military firefighting personnel in practice simulations. A variety of flammable liquids were placed into the pit, ignited, and extinguished as a training exercise. Contamination from these flammable liquids migrated horizontally into the nearby vadose zone and vertically to the groundwater table. The objective of this study was to update the Conceptual Site Model (CSM) to support the selection of a remedial alternative for nonaqueous phase liquid (NAPL) contamination at the site. In addition to field activities compiled all available historical data into one site-wide database.

DEMOLITION, ABATEMENT, DEBRIS REMOVAL, PA/SI AND INTERIM REMOVAL ACTION, NORTH DUTCH ISLAND, ALASKA
Federal Aviation Administration (FAA)

The former North Dutch Island Very High Frequency (VHF) communication station was operated by the Civil Aeronautics Authority (CAA) in the late 1940s and 1950s. Performed a SI to characterize and delineate potential petroleum contamination associated with the former VHF communication station and to develop a conceptual site model in accordance with ADEC regulations. After reviewing the sampling analysis developed site-specific alternative cleanup levels using the ADEC Method Three Online Calculator. Also performed a focused feasibility study based on the results of the SI. Researched the most cost-effective methods for executing the work considering remote logistics, land use restrictions, and remediation for contaminated soils.

Environmental PROJECTS



CERCLA TECHNICAL ADVISOR AND PROJECT MANAGER SERVICES, MIDWAY ATOLL NATIONAL WILDLIFE REFUGE (NWR) AND LEAVENWORTH NATURAL FISH HATCHERY (NFH)
U.S. Fish and Wildlife Services (USFWS)

Providing a Technical Advisor and CERCLA Project Manager (PM) to support the USFWS Division of Engineering with Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) actions at the NWR and NFH locations.

Duties include assisting with the preparation and review of technical documents, programming documents, and technical designs; support in development and management of activities in compliance with National Contingency Plan (NCP), CERCLA, Resource Conservation and Recovery Act (RCRA), Federal Facilities Compliance Act (FFCA), Applicable or Relevant and Appropriate Requirements (ARARs), Executive Orders, and U.S. Environmental Protection Agency (EPA) policies.

ENVIRONMENTAL AND CONSTRUCTION ENGINEERING PROGRAM SERVICES, WESTERN SERVICE AREA INCLUDING ALASKA AND HAWAII
Federal Aviation Administration

Outstanding record of delivering environmental and decommissioning services at over 24 Federal Aviation Administration (FAA) sites located in at least six states. Specifically in the past 10 years have executed over \$100 million in work related to construction and sustainment of navigational, communication, surveillance, and lighting systems; and power lines, power plants, and telecommunication transmitting and receiving towers.

Work includes but is not limited to design and new construction, infrastructure sustainment, decommissioning, environmental remediation, engineering services; and asbestos surveys for all types of building demolitions and environmental remedial investigations with our team of certified professionals with broad certifications.



CHIRIKOF ISLAND, ALASKA, INFRASTRUCTURE REMOVAL AND RELEASE INVESTIGATION (RI)
Federal Aviation Administration (FAA)

Removed all contaminated debris with analytical results indicating that the remaining debris was not contaminated with ACM, PCBs, or leachable lead. Following analytical review from Phase 1, all inert debris and infrastructure was left on the island to avoid the potential environmental impact caused by removal, such as accelerated erosion. Based on the analytical results for samples collected during Phase 1, provided recommendations for soil removal actions from specific areas to achieve cleanup levels protective of the ecological receptors residing on Chirikof.

Scope consisted of environmental planning, and environmental restoration and liabilities tasks. Implemented in-house drones and advanced GPS survey technology to enhance project planning at this remote location.



NON-DIRECTIONAL BEACON (NDB) TOWER DEMOLITION AND CONTAMINATED SOIL REMEDIAL ACTION, PROBERTA, CALIFORNIA
Federal Aviation Administration (FAA)

Performed removal and disposal of tower infrastructure and debris that was covered in lead-based paint that flaked into underlying soil. Coordinated with six different agencies, including California EPA, USACE and USFWS to obtain permits and approval to perform work within critical habitats of species federally-listed under the Endangered Species Act (ESA).

Tasks included comprehensive planning documents; biological assessments and evaluations; support wildlife agency consultations under the ESA; cultural and tribal resources required under Section 106 or 110 of the NHPA; permitting and regulatory compliance; CERCLA, RCRA and state-program site investigations; and GIS.

REMEDIAL ACTION | REMEDIAL INVESTIGATION, FAREWELL, ALASKA
Federal Aviation Administration (FAA)

In 1986, the FAA abandoned most of the facilities in Farewell that is no longer supporting air navigation and is not actively operated or maintained by the FAA. However, the airfield is frequently used by general aviation pilots, including hunters and hunting guides.

Performed engineering services, a detailed technical approach, and all work plans to perform a variety of field activities at several areas of concern (AOCs) for petroleum sites (5); burial pits (5); lead sites (4); and dry wells (2). All forms of waste were characterized, packaged, labeled, shipped and disposed in compliance with State of Alaska, EPA and DOT regulations. Farewell is only accessible by aircraft during the summer months.

Munitions NATIONWIDE

Brice has been at the forefront of management of contaminated soils with site characterization and soil washing technology development being core environmental services. Since 1992, Brice has performed site assessments and treatability studies to evaluate, design, and implement soil processing systems at numerous sites nationwide. Brice has performed soil washing in support of contaminated site remediation in California, New Jersey, Louisiana, Minnesota, Massachusetts, Hawaii and Oregon.

In addition, Brice has evaluated treatment options for soils containing other contaminants including PCBs, petroleum hydrocarbons, and pesticides. Brice uses a site-specific approach to develop soil treatment technologies. Initial work often involves a detailed review of available historical information. This initial phase generally includes a site inspection to evaluate site features and the associated potential environmental concerns. Brice's experienced staff continues the process by analyzing representative soil samples for key parameters governing the treatment process in a detailed treatability study. After completion of the treatability study, we convene our chemists, engineers and plant managers to evaluate the best treatability approach. The primary technology used is water-based physical processing coupled with chemical treatment, if required, to reduce soil contaminant concentrations for recovery and offsite disposal, while returning the clean soil to the site restoration process.

Brice also has extensive experience immobilizing heavy metals in soils using commercially available reagents such as apatite (sold by PIMS NW), ECOBOND® (sold by MT2), and TRAPPS™ (sold by Slater (UK) Limited). Key staff at Brice include Craig Jones, who has managed and directed every soil washing project performed by the company and Carl Benson, who has been involved with field system development and implementation and specifically arsenic treatment/precipitation of wastewater.

Brice was the first firm to design and implement an advanced approach to soil washing to remove small arms rounds from over 20,000 tons of rifle and pistol range soils at Former Fort Ruger, Hawaii. The soil washing approach resulted in a compact, mobile, and high production process that saved the government more than \$700,000 as opposed to traditional soil washing.

In 2008, Brice used advanced soil washing technology to (1) add amendments to immobilize heavy metals, (2) remove artillery and ferrous debris using magnetic separation, and (3) remove small arms rounds from 20,000 tons of former range soils located at Camp Withycomb, Oregon. Over 270 tons of bullets and bullet fragments were recovered for recycling.

FIELD EXPERIENCE USING BOTH LARGE AND SMALL PORTABLE SYSTEMS

Eielson Air Force Base, Alaska: Indoor shooting range decommissioning and removal

Fort Dix, New Jersey: Particulate metal removal from small arms firing range soils

Fort Ord, California: Particulate metal removal from small arms firing range soils coupled with stabilization

Fort Polk, Louisiana: Particulate metal removal and acid leaching technology for small arms ranges

Honolulu, Hawaii: Particulate metal removal from small arms firing range soils

Marine Corps Air Ground Combat Center (MCAGCC) 29 Palms, California: Physical treatment of small arms firing range soils for particulate metal removal and metal recycling

Massachusetts Military Reservation: Particulate metal removal from small arms firing range soils

Massachusetts Military Reservation: Treatment of soils contaminated with UXO, particulate metal, explosives, pesticides, and non-particulate heavy metals

Massachusetts Military Reservation: Treatment plant installation and O&M for water contaminated with explosives, pesticides, and heavy metals

McClellan Air Force Base, California: Particulate metal removal from small arms firing range soils and treatment of soils contaminated with lead bearing paint chips coupled with stabilization

Portland, Oregon: Particulate metal removal from small arms firing range soils coupled with stabilization

Twin Cities Army Ammunition Plant, New Brighton, Minnesota: Three-year seasonal soil treatment project employing particle separation and acid leaching for heavy metal contaminated soils

TREATABILITY STUDY/SITE ASSESSMENT EXPERIENCE

Our treatability study and site assessment experience involving soils contaminated with lead and other metals includes approximately 50 different ranges at the following locations.

- Alberta Public Works Supply and Services, Skeet Range, Former Edmonton Gun Club, Edmonton, Canada
- Alliant Techsystems, 3,000 Meter Depleted Uranium Range, Energetic Material Research Test Center (EMRTC), Socorro, New Mexico
- Battelle Memorial Institute, Various Ranges (5), 29 Palms, California
- BDM International, Inc., Pistol, Skeet, and Rifle Ranges (4)
- BDM International, Inc., Range 5, Fort Polk, Louisiana
- BDM International, Inc., West Point Military Academy (2)
- Bristol Environmental Services Corporation, Small Arms Firing Range, Adak, Alaska
- CH2M HILL, Pistol and Rifle Ranges (2), Lackland AFB, Texas
- Client Confidential, New Jersey Rifle and Pistol Club, New Jersey
- Client Confidential, Otay Valley Former Shotgun Range, California
- Monmouth County Police Training Range, New Jersey
- Department of Public Works, US Army, Fort Lewis, Washington
- Foster Wheeler, Pistol and Skeet Ranges (2), Lakehurst Naval Air Station, Lakehurst, New Jersey
- Hawaii National Guard, Fort Ruger, Diamond Head Crater, Hawaii
- Hawaii National Guard, Keaukaka Military Reservation
- IT Corporation, Various Small Arms Ranges (5), Fort McClellan, Alabama
- Jacobs Engineering, Inc., Indoor Shooting Range, Eielson AFB, Alaska
- Jacobs Engineering, Rifle and Pistol Range, Castle Air Force Base, California
- Maine National Guard, Auburn Training Range, Maine
- Massachusetts National Guard, Small Arms Firing Ranges (2), Massachusetts Military Reservation
- Parsons Engineering Science, Inc., Camp Stanley Storage Activity, San Antonio, Texas
- Parsons Engineering Science, Inc., Skeet Range, Goodfellow Air Force Base, Texas
- PEER Consultants, Skeet and Trap Ranges (3), Broward County, Florida
- Goshen Police Range, New York
- US Air Force, Non-VOC soils, McClellan Air Force Base
- USACE, Fort Ord Small Arms Firing Range, California
- US Army TACOM-ARDEC, Picatinny Arsenal, Range 24, Fort Dix, New Jersey
- US Coast Guard Cape May, New Jersey



The Pentagon announced nine winners of the fiscal 2009 Secretary of the Army Environmental Award. James G. Arnold, an Environmental Restoration Manager at the Oregon Army National Guard won the Environmental Restoration, Individual Category, after advancing a plan to use new soil washing technology for range soil remediation (Camp Withycomb).

The Pentagon announced nine winners of the fiscal 2007 Secretary of the Army Environmental Award. Fort Ruger won the award for Environmental Restoration, Installation, for developing their firing ranges into a state park by excavating and cleaning contaminated soil and hydroseeding the land with native grass species.



Construction PROJECTS



Island PROGRAMS

FUEL PIER FACILITY REPAIR, EARECKSON AIR STATION (EAS), SHEMA YA ISLAND, ALASKA
USACE Alaska District

Brice just wrapped up year three with two key programs for construction and environmental work at Eareckson Air Station (EAS) at Shemya Island, Alaska; and at Wake Island Airfield (WIA).

In support of these programs, Brice has invested over \$3 million in heavy equipment dedicated at both islands to self-perform the work. This allows us to better control the schedule and not have to rely on the single island BOSS contractor at both locations—that increases efficiencies and reduces risk to Brice and our clients.

We are already in the planning stages of procuring goods and services from all across the U.S. and staging in Seattle for the barge sailings in early spring.

Provided the crucial design and repairs to the EAS Fuel Pier to ensure that vital fuel and supplies can be safely offloaded. With the objective to extend the useful life of the pier by at least 20 years, the team focused on a dual system designed to inhibit steel corrosion below the water line and protect the steel above the water line. A channel mounted anode system provided the ability to mount the entire system to the bullhead without the need for divers and underwater welding, while also providing a robust passive protection system. This consisted of over 1,600 feet of channels with anodes.

REPAIR POWER PLANT SIDING (BLDG 3049), EARECKSON AIR STATION (EAS), SHEMA YA ISLAND, ALASKA

Air Force Civil Engineer Center (AFCEC)

Performed construction and engineering tasks to repair the dilapidated siding on a Power Plant (Building 3049). At the site visit, inspection all dimensions, number of doors and their locations, and quantities of materials and equipment required to complete the work were confirmed. Furnished all services, materials, supplies, equipment, labor, investigations, studies, project supervision, billeting and travel as required to complete these requirements. Shemya Island is only accessible via air and marine transportation.

DESIGN/BUILD REPAIR 5 STORM-DAMAGED FACILITIES, EARECKSON AIR STATION (EAS), SHEMA YA ISLAND, ALASKA

Air Force Civil Engineer Center (AFCEC)

Concurrently managed five design-build and construction projects sequencing the work to support active military operations. One project included the complete demolition and replacement of a 42,000 sf hangar to frame and rebuild the exterior envelope with modern materials and techniques in 16 weeks. Front-end involvement and coordination of the process allowed for the development of the most cost-effective and technically sound methodology and approach.

SYSTEMS ENGINEERING, MANAGEMENT AND SUSTAINMENT III (SEMS III) PROGRAM IONOSPHERIC GROUND SYSTEMS (IGS) INSTALLATION, EARECKSON AIR STATION (EAS) SHEMA YA ISLAND, ALASKA

Northrup Grumman (NG)

NG Mission Systems (NGMS) responded to a Space and Missile Systems Center (SMC) Remote Sensing Systems Environmental Monitoring (RSSE) (SMC/RSSE) request for installation of a Next Generation Ionosonde (NEXION) system at EAS. NG selected Brice as a contractor with the requisite expertise to complete the tasks with an understanding of the extreme environmental conditions of the install location. The NEXION system consisted of a 101 foot transmit antenna tower, an array of four receive antennas, a Global Positioning System (GPS) antenna, NEXION shelter building, Environmental Control Unit (ECU) in shelter, an Alternating Current (AC) source, Cable, and grounding/bonding hardware. Due to Brice's 'exceptional' performance NG awarded a contract for the same work at Wake Island Airfield (WIA).

AIR COOLED HEAT EXCHANGER INSTALLATION AND SETUP, EARECKSON AIR STATION (EAS), SHEMA YA ISLAND, ALASKA

Raytheon

AN/FPS-108 COBRA DANE is a radar system located at EAS. Its components are cooled by 14 Air Cooled Heat Exchanger (ACHE) units with a circulating Ethylene Glycol Water (EGW) coolant mixture. Work included establishing the management and technical tasks to be performed for the physical installation and integration of the 14 new ACHE units and associated infrastructure including, but not limited to, wiring, piping, setup and flow balance. Obtained all necessary permits and clearances required for installation including but not limited to environmental clearance, and height clearance permits approvals.

Construction PROJECTS



DEMOLITION AND REMEDIATION OF TWO UTILIDOR SECTIONS, CLEAR AIR FORCE STATION (AFS), ALASKA

USACE Alaska District | Missile Defense Agency (MDA)

Extensive contamination was present from PCB's-in-paint that was found throughout the inside the structure requiring an iterative process of both remediation and demolition as the project progressed. At conclusion of this effort, two utilidor sections of 190 and 50-linear feet were removed down to the foundation and the site was ready on schedule to facilitate other projects start-up timelines. Facility removal included the proper characterization and disposal of all wastes and debris placing the PCB curb materials and PCB contaminated structural steel within a Pre-Transportation Staging Area, and staging of materials requiring demilitarization within Building 103.

DESIGN-BUILD MODERNIZE MISSILE DEFENSE AGENCY (MDA) FACILITIES, WAKE ISLAND AIRFIELD (WIA), US

Air Force Civil Engineer Center (AFCEC)

Concurrently managed all elements of design and construction of two buildings, and sustainment, renovation, and modernization to three buildings. The schedule sequenced critical work early to support ongoing military operations. Other important work followed in a logical sequence that maximized labor efforts and synergy amongst staff and our subcontractors. Sophisticated logistics were required for procurement of equipment and personnel sourced from around the US chartered barges were loaded in Seattle, routed to Honolulu, then manifested on a specialized barge to navigate the challenging entrance to WIA. Logistics were leveraged between multiple projects and clients served at WIA, delivering considerable cost savings to each.

DESIGN-BUILD CONSTRUCTION SERVICES FOR REPAIR OF WATER DISTRIBUTION SYSTEM, WAKE ISLAND AIRFIELD (WIA), US

Air Force Civil Engineer Center (AFCEC)

Design consisted of a review of a 100% design provided by the client. Working with our engineer of record, we identified design upgrades required to achieve the client's project goals and objectives, i.e. discrepancies arose between the timing of the 100% design versus current conditions. Installed 35,000 lf of pipe across the island from the air terminal to the downtown area in a closed loop system with 59 services (buildings supplied with water via new curb stop, backflow preventer, and associated valves), 35 fire hydrants, and completed construction of a new 20' x 30' pump house. Replaced main pump #3 with an in-line Triplex Pump Package and two 75 hp fire pumps to centralize water system maintenance into one pump house; and abandoned the booster pump stations and original pump house.

DESIGN-BUILD AIRPORT IMPROVEMENT PROJECT (AIP) AND SAFETY AREA IMPROVEMENTS PHASE III, KOTZEBUE, ALASKA

Alaska Department of Transportation (AKDOT) and Public Facilities

Prime civil contractor and subcontractor for procurement and management of this work that consisted of runway extensions, realignment of roads, constructing shore protection, boat launch, airport lighting, signage, NAVAIDS, security fencing and gates, relocation of electrical and sewer utilities, repairs, etc. Self-performed over 90% of this project.

Brice has performed 13 construction Airport Improvement Projects (AIP) in the past 10 years valued at more than \$158 million

CURRENT TRANSFORMER REPLACEMENT PROJECT, EARECKSON AIR STATION (EAS), SHEMA Y ISLAND, ALASKA

Air Force Civil Engineer Center (AFCEC)

Performed the range of methods, technologies, and supporting activities necessary to conduct construction services for the replacement of 108 each Current Transformers (CTs) in 9 feeder breaker cabinets. Following replacement an inspection was conducted with a qualified inspector to ensure compliance with NEC Code requirements, and then completed an Arc Flash analysis on all the breakers. All work was delivered with timely identification and solution of impediments resulting in successful project execution.

DEMOLISH HANGARS 2, 3 AND 4, EARECKSON AIR STATION (EAS), SHEMA Y ISLAND, ALASKA

Air Force Civil Engineer Center (AFCEC)

Work encompassed the full range of methods, technologies, and supporting activities necessary to demolish three hangars at EAS including utilities and miscellaneous appurtenances and demolition and removal of foundation slabs on all three hangars. Included an environmental component requiring a Project Chemist. All work was conducted in accordance with federal, state, and local statutes and regulations, and approved work plans.

BRICE ENVIRONMENTAL SERVICES CORPORATION

3800 Centerpoint Drive
Suite 400
Anchorage, Alaska 99503
907.275.2896 PH/FX

REGISTERED IN SAM

DUNS Number: 079995710
CAGE Code: 7JNE3

CERTIFICATIONS

SBA ANC 8(a) Small Business
Alaska DOT&PF DBE
DCAA Audited Government Approved Systems

NAICS CODES

212321, 236220, 237110, 237120, 237130, 237310, 237990, 238160,
483111, 483113, 483211, 488210, 517919, 562111, 562112, 562119,
562211, 562213, 562910 (Primary)

SBA CONTACT

U.S. Small Business Administration
Seattle District Office
Attn: Rick Rauschenbach
2401 4th Avenue, Suite 450
Seattle, WA 98121
206.553.7346 PH
206.481.0623 FX
Frederick.rauschenbach@sba.gov

