



COUNTY & STATE AGENCIES

Supporting the public through safe, sound design and in-depth consulting.



guernsey

County and state governmental agencies have relied on us to develop and foster programs that are beneficial to citizens and their quality of life. That means facility design, environmental compliance support, infrastructure design, utility optimization... whatever it takes to turn visions into reality at costs that are realistic.

Environmental Studies

We deliver a broad range of environmental services to our public-sector clients. From environmental clearances for roadways to asbestos or lead-based paint surveys for older facilities, we can deliver timely and thorough expertise. Responses to and coordination with environmental regulators streamline and solidify our completion of environmental audits, initial site assessments, Phase I/II/III site assessments, hazardous materials surveys, National Environmental Policy Act planning, soil and groundwater investigations, environmental baseline studies, cultural resource assessments and biological/threatened and endangered species assessments.

Permitting/Regulatory Compliance

Our efforts to minimize client exposure to impacts under the Clean Water Act is met through the development of Stormwater Pollution Prevention Plans and Spill Prevention Control and Countermeasure Plans. We also prepares 404 permits and preconstruction notifications for roadway and bridge projects. When the job at hand is ensuring regulatory compliance and obtaining permits, you need a team who has been in the field, seen all sides of the issues, and sustained a proven record of agency interaction. Our engineers, planners and scientists stand as your advocates in environmental compliance relating to facilities, programs and permitting activities relating to air, water, land, solid waste, and hazardous materials.

Environmental Engineering

Our daily challenge is to create sustainable, real-world engineered solutions for processing operations, infrastructure design, power delivery systems, and environmental regulatory issues. We assist in planning, evaluating, diagnosing, and mitigating environmental issues regardless of project scale. Our experts will work by your side to optimize operating efficiencies, control cost, and enhance environmental performance and stewardship.









Civil Engineering

This is the founding platform of **Guernsey**. Our current civil engineering skills reflect upon our very first days in 1928. Though technology and processes are different today than they were then, one thing that hasn't changed is the value of a team that knows the intricacies of successful projects at every level.

Infrastructure

We have a strong history of providing state and county agencies with infrastructure improvements including dams and reservoirs, flood control, roadways, drainage structures, water and wastewater systems, electric power systems, resource preservation, and environmental surveys and investigations. Clients have trusted us with improvements to every facet of their infrastructure.

Transportation Engineering

As our nation's transportation system ages, it is imperative that emphasis be placed on repairing and replacing our existing networks. Not just the roads, rails, and airports that enable us to reach our destinations safely, but also the detailed effort it takes to build these systems. We've been an integral partner to counties, departments of transportation, turnpike authorities, airports, and governing agencies nationwide.

Water Resources

Water is an increasingly valuable and precious resource – we cannot live without it. Community growth, prosperity, sustainability, and resiliency require an executable plan for sustaining water supply and protecting related water resources. We understand the interrelated dynamics that shape the identification and development of sustainable water supplies, including drought-resilient systems and strategies. We also understand the dynamics of wastewater reuse and its role in conserving water on national, regional, and local levels.

Master Planning

Master planning is a process, a combination of art and science. It requires a multidisciplinary team of specialists and generalists to achieve the desired outcome. The process represents an integrated consolidation of all assets and challenges into a focused assessment of existing and future conditions. This planning exercise must facilitate improvements to mission, quality of life, sustainability, and resiliency. Our team understands the requirements to envision, assess, and create a plan that provides the strategy and path for the future.

Sustainable Design

An effective sustainability plan not only meets the needs of the current generation, it does so without jeopardizing those of future generations. This is achievable by working to find a balance of economic, environmental, and social prosperity.

In vertical and horizontal built environments, we are committed to design that is driven by a wide range of sustainable strategies and measures, including: energy and water efficiency, renewable energy, waste reduction, low-impact development, human health and well-being, and mindfulness of finite resources.

Cost Estimating

Our team will jump in from the first day of conceptual design to start building the cost estimate for funding or financing. Our estimates allow for quicker determination of project feasibility. In addition, the conceptual cost estimate is used to keep the project in budget, with updates made at each phase to ensure that issues are addressed promptly.

Accuracy of estimates is ensured through the use of three method. Spending time with contractors to understand cost fluctuation in materials based on geographic and other influences is the first step. Secondly, we perform cost comparisons after bids are received to determine areas of adjustment for future cost estimates. Finally, we compare information from all the databases that we use.









Vertical Construction

Our vertical construction design team helps with everything from the creation of new campuses to the renovation of existing facilities. We solve operational and functional challenges through creative, integrated design. Our team works with agency leadership and project/technical managers to develop the appropriate design solutions for not only the government's needs but also the needs of facility users while maintaining sharp focus on schedule and budget.

We understand the needs of the state and county governments and the facilities required not only for effective operations but also for enhancing the safety of the general public. Facilities should be a reflection of mission-specific needs. We are dedicated to a collaborative design process to ensure the resulting renovations or new facilities serve each requirement efficiently and effectively. During the facility design process we will focus on your identified priorities from operations and adjacencies to aesthetics and costs. With all design disciplines in-house, our design team is integrated and provides each project all areas of expertise including engineering (civil, structural, mechanical, electrical, fire protection), architecture, interior design, landscape architecture, and cost estimating services.

Construction Management

Using sound judgment and reason to interpret contract documents, our team can help improve contractors' adherence to plans and schedules. We keep communication channels open between all parties, allowing for minor design changes to enhance quality and affordability while mitigating propagation of minor issues. We offer services in cost validation, schedule oversight, document control, submittal review, quality assurance and control, construction management staffing, and site observations.

Program Management/Owner's Engineer

Our comprehensive understanding of structured and engineered systems enables us to oversee the progression of your project from concept through construction. We assign a program manager to a project to enhance project status, provide decision-making skills and develop a program perspective as required. This may also include identifying and managing cross-project dependencies, risks, issues, requirements, designs and solutions. Program managers are not necessarily discipline-specific and can include planners, engineers, architects, scientists or other experts who demonstrate exceptional organization, discipline and control, and possess the skills to communicate across levels.

Cyber Security

A solid security strategy takes more than software and an occasional checkup. You need a team of good guys who are trained to think like the bad guys. That's where our cyber security professionals come in. We have nationally-accredited information security experts whose sole focus is to help our clients meet their risk management goals and compliance obligations using risk management, regulatory support, (NERC CIP, PCI-DSS, and HIPAA), security and vulnerability reviews, security monitoring, training and awareness, program audits and incident response planning.

Privatization

Our professionals have analyzed more than 500 utility systems since 1993, including the first utility privatization analysis for the Department of the Army. As a result, we are the US Army's preeminent expert adviser for privatization transactions, having supported the largest-ever privatization action (\$4 billion+) among many others. We work at every level, from individual utility systems to providing program support at the Pentagon to evaluating various university systems to statewide facilities.









Utility Analysis

We've developed thousands of cost-of-service studies, rates and financial models since the 1960s and have nearly 80 years of water, electric cooperative and public power experience. It's this well-rounded package of experience and understanding that gives our clients the utmost trust in our ability to insightfully analyze situations and make recommendations that get results. We provide management and regulatory support as well as cost of service, rate and financial analysis documentation to help our clients make the best decisions moving forward.

Utility Optimization

The growing momentum for sustainable and renewable energy projects has driven aggressive action by private-sector companies courting public commitment to qualifying projects. Many are presented as self-sustaining, but it's not quite that simple – the economic viability of a project is typically based upon many interrelated assumptions that should be validated and tested for resiliency to change. We provide independent assessment and validation to public-sector clients that may be interested in pursuing these projects where cost is a significant consideration. We bring specific focus to ESPC and UESC projects where we work as the government's trusted advisor to validate energy savings projections and performance.

Public-Private Partnerships (P3)

We specialize in identifying, analyzing, and executing transactions that work. Transactions may present strategic opportunities to reallocate scarce resources to more important functions, however not all arrangements result in technical performance at an economical price. Our professionals will team with you to understand your unique situation and determine whether a public-private partnership is right for your long-term best interests.



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