



Infrastructure Design Services

WHAT WE DELIVER:

- Title I and Title II A-E services
- Consulting, engineering studies, and planning
- Design-Build and Design-Bid-Build Construction
- Energy and water resilience
- Facility conditions assessments and efficiency evaluations
- Building systems design and engineering services
- Design and constructability reviews
- Full-service electric vehicle charging design/installation
- Utility and facility scale power generation, microgrid, battery storage, and photo-voltaic design services
- Water and wastewater infrastructure design
- Secure facilities and security systems design
- Low Impact Development
- GreenGrid® vegetated roofing systems design
- Rapid response and emergency services

At Weston, innovation drives our commitment to delivering sustainable design solutions that tackle complex infrastructure and environmental challenges. This dedication to sustainability translates directly to our client partnerships. We collaborate closely with clients to understand their unique needs and develop customized strategies that prioritize efficiency, cost-effectiveness, and sustainability. As a result, our clients benefit from our ability to navigate complex infrastructure landscapes to deliver transformative results that are compatible with their assets and program goals.

Delivering Success: Our Comprehensive Approach to Project Management

- **Full Lifecycle Support:** We guide our clients seamlessly through the entire project or program lifecycle, from planning and design to construction management, resource optimization, and asset management.
- **Resilient Systems for Success:** Our emphasis on resiliency ensures that our clients' systems can endure and recover from potentially disruptive events and maintain mission readiness.
- **Comprehensive Construction Solutions:** By strategically synchronizing design and construction, we expedite project schedules and get your facilities back to normal operations faster. Our engineers support solutions from inception to commissioning, driving quality in design phase through constructability reviews, and providing efficiency in the construction phase by giving informed time-bound decisions.
- **Phased Approach:** We minimize downtime for existing infrastructure by actively engaging with clients and making strategic engineering decisions, ensuring swift restorations of facilities to users as soon as possible.

PROVEN PROJECT SUCCESS:



Design of Sanitary Sewer and Water Utility System Repairs, Fort Detrick, MD, USACE. Weston provided turnkey design-build repairs of gravity sewer lines and potable water distribution lines to improve operational efficiency and reliability of critical infrastructure within Fort Detrick's main cantonment area in support of strategic biodefense research and development missions. Work entailed mitigation of critical infrastructure systems through field investigation, condition assessment, design, and repair services.



Photobioreactor Wastewater Treatment System, Village of Roberts, WI. Designed, permitted, and managed construction of the first full-scale photobioreactor wastewater treatment system to remove phosphorus from wastewater in North America. The algae produced as part of the nutrient recovery process was sold as sustainable source material for bioplastics, which reduced lifecycle project costs.



Design-Build of Electrical Vehicle Charging Stations, USACE. Providing electric vehicle supply equipment design-build construction at civil works facilities spanning seven sites in three states. Performed pre-planning/35%, level site designs, site investigations, design (65%, 100%, and IFC), and installation of the charging stations, to include infrastructure repairs necessary to accommodate increased electrical loads via coordination efforts with utility providers.



Temporary Power Generation, Palo Seco, PR, USACE. Weston was contracted to alleviate grid vulnerabilities and disruption of essential services resulting from damage attributed to Hurricanes Irma, Maria, and Fiona. Weston designed and constructed a 200-MW integrated energy system requiring on-site dual fuel power generation energy resources and interconnected loads linked by utility breakers to the power grid. The system provided a large-scale microgrid capability as a grid-tied backup generator system with no renewable energy penetration. Providing ongoing OM&R and project management, CQC, and EH&S activities to ensure reliable power.

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Defense Intelligence Agency Building 2060 SCIF Renovation, Joint Base Pearl Harbor-Hickam, HI, USACE. Contracted by USACE to design and construct repairs in accordance with ICD-705 standards in occupied and unoccupied spaces. Repair scope includes asbestos mitigation, removal and replacement of the existing HVAC and fire suppression system, removal and replacement of existing suspended ceiling throughout, electrical panel upgrades, removal and replacement of existing carpet, security system updates, patch and paint interior walls, and architectural modifications and repairs necessary to meet SCIF accreditation requirements.

For More Information, Contact:



Visit [WestonSolutions.com](https://www.WestonSolutions.com)



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