

# Civil Works

Delivering engineering insights to federal and commercial clients

## Control the scope, cost, schedule, risk, and quality of civil works projects.

For more than 40 years, our experienced civil works team has helped federal, state, and local government and commercial customers identify solutions to some of the most critical and complex engineering projects in the United States and overseas. We understand the critical infrastructure and environmental needs of our nation.

Using a unique combination of technical subject matter expertise, program management experience, and specialized technology tools we accurately analyze, estimate, and forecast costs and project schedules – even in the face of unpredictable economic headwinds and supply chain challenges.

From providing estimating and scheduling support for hurricane protection systems along the Gulf of Mexico, conducting a cost schedule risk analysis for shoreline protection in New York, and providing projects controls support for emergency dam repairs in Iraq – our civil works services optimize construction budgets, identify risks and opportunities, and inform decisions at critical phases of each project.

### Our Services

Our team of technical professionals has the capability and experience to handle any civil works project, regardless of size, scope, or the level of complexity. Our suite of services encompasses multiple disciplines including cost estimation/engineering, scheduling, project controls, program management, claims management, and more.

What we do:

- Cost estimates
- Quantity development
- Lifecycle cost analysis
- Baseline development and maintenance
- Value engineering studies
- Independent cost reviews
- Constructability reviews
- Market condition assessments
- Cost and Schedule Risk Analyses (CSRA)
- Quality assurance
- Project scheduling
- Change resolution
- Schedule delay analysis
- Claims mitigation

### Capabilities

We possess the necessary skills and experience to support all facets of civil works and related infrastructure and specialize in a comprehensive array of disciplines related to civil works. This includes project experience on major dams, pump stations, and coastal resiliency programs to associated transportation infrastructure. Our services help clients streamline construction and infrastructure project costs, ensure budget compliance, and keep projects on track. Sample areas of expertise include:

- Navigation
- Coastal resiliency
- Flood risk management
- Hydropower
- Ecosystem Restoration & Environmental Protection
- Water treatment systems
- Recreation
- Transportation
- Emergency Preparedness and Disaster Response
- Water Supply



**703.261.1110**

Call now and learn more.





## Qualified and Certified Professionals

Our multidisciplinary team includes AACE-certified project managers, cost professionals, schedulers, program managers, and registered professional engineers. Licenses and certifications include:

- Certified Cost Professional (CCP)
- Project Management Professional (PMP)
- Professional Engineer (PE)
- Earned Value Professional (EVP)
- Certified Construction Manager (CCM)
- Six Sigma
- Planning & Scheduling Professional (PSP)
- Certified Scheduling Technician (CST)

## Highlighted Successes

Clients such as the U.S. Army Corps of Engineers and state and local agencies across the United States and worldwide have trusted Acuity to navigate even the most complex civil works projects and realize value-driven outcomes.

### Staten Island Coastal Resiliency Feasibility Study

📍 New York, NY

Acuity was contracted by the U.S. Army Corps of Engineers (USACE) to provide a cost and schedule risk analysis (CSRA) as part of a feasibility study to identify possible solutions to damaged and storm-prone areas on the New York coastline.

### Mosul Dam Rehabilitation

📍 Iraq

USACE enlisted Acuity to deliver cost engineering/estimation, scheduling, and project/performance management services, supporting the mega-project undertaken by the USACE Mosul Dam Task Force.

### West Closure Complex

📍 New Orleans, LA

Using Acuity's CRSA, the government saved millions off the original contractor's proposed price for the West Closure Complex – a floodgate project intended to reduce storm surge risk and ensure flood resiliency.

### Sacramento Weir Widening Project

📍 Sacramento, CA

USACE contracted Acuity to assist with a flood risk reduction project, including widening of the Sacramento Weir and Bypass. Acuity assessed construction phase risk factors and their impacts, developed preliminary designs, and a seven-phase construction schedule.

### Permanent Canal Closures

📍 New Orleans, LA

USACE used Acuity's estimates to evaluate the accuracy of submitted contractor bids and gauge the true cost of designs for the region's permanent canal closures and pump stations project. The project aimed to mitigate storm surge damage along a 200-mile shoreline.

### Lower Elkhorn Basin Levee Setback

📍 Sacramento, CA

To reduce flooding and erosion along the Sacramento and American Rivers, USACE engaged Acuity to provide cost estimating services for a 7.2 mile levee setback project using a parametric / bottom-up approach.



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