

Prehistoric and Historical Archaeology

The cultural resources staff at GAI Consultants remains one of the few groups nationwide providing archaeological and historic architectural services within an engineering and environmental consulting firm. From Phase IA sensitivity modeling through Phase III site mitigation, GAI's dedicated professionals clear the way for our clients to effectively manage prehistoric- and historic-period cultural resources.

Quick response, cost-effective surveys that meet federal guidelines mean streamlined environmental clearances.

Our archaeology staff qualifications exceed federal standards and many of our archaeologists are certified by the Register of Professional Archaeologists. We have the resources to mobilize multiple teams quickly while remaining responsive to clients' immediate and changing project needs.

GAI's cultural resource services are supported by a well-equipped and staffed archaeology laboratory

featuring Geographic Information System (GIS) and Computer Aided Design and Drafting (CADD) capabilities, and a large-format camera that meets stringent Historic American Buildings Survey/ Historic American Engineering Record (HABS/ HAER) standards.

GAI routinely streamlines archaeological studies by conducting preliminary studies and Phase IA reconnaissance surveys prior to subsurface investigations. Our clients favor this cost- and time-saving approach, which meets the guidelines of both federal agencies and State Historic Preservation Offices (SHPOs).

GAI's award-winning public outreach programs convey the benefits of cultural resource efforts to affected local communities. We create web sites, author publisher-quality reports, and organize hands-on programs for students.

GAI guides clients through Section 106 of the National Historic Preservation Act (NHPA), National Environmental Policy Act (NEPA), Federal Energy Regulatory Commission (FERC), and environmental



gai consultants.

Service Profile



permitting processes while skillfully managing consultations with local, state, and federal historic preservation agencies and Native American tribes.

Our artifact analyses are complemented by an integrated database management system that streamlines the regulatory compliance process so we can efficiently review and share large volumes of data with our clients, State Historic Preservation Offices (SHPOs), and other approving agencies.

Nationally recognized for efficiently meeting the requirements of historic preservation and environmental regulations, GAI's core team of cultural resource specialists provide innovative services in historic, prehistoric, and urban archaeology, historic preservation and public history, and soils science.

GAI's cultural resource professionals are committed to advancing their skills and delivering the highest quality services as they travel to participate in archaeology and historic preservation efforts for clients in the energy, transportation, and development markets.

From nuclear power plants, electric transmission lines, and gas pipelines to transportation corridors, military battlefields, and Native American sites, GAI has built

a performance record for providing accurate, cost-effective results that serve clients' time-sensitive needs.

Prehistoric and Historical Archaeology Services

- Phase I/II archaeological investigations
- Phase III data recovery, treatment, mitigation plans
- Assessment and site formation studies
- Historical background and geomorphic studies
- NEPA, NHPA, FERC compliance reviews/reports
- Section 4(f) reports
- EIS, EAs, Categorical Exclusion Evaluations
- GIS predictive modeling
- HABS/HAER recordation
- Quantitative analysis and statistics
- Prehistoric and historic material analyses
- Historic architectural surveys
- Archival and deed research
- Avoidance and preservation measures
- SHPO and Native American consultation
- Public outreach and education programs

GAI Services Summary

- Airport Planning and Design
- Bridge and Structure Inspection and Design
- Coal Combustion Residuals Management
- Construction Inspection and Management
- Cultural Resources Management
- Economic Analyses and Strategies
- Electric Transmission Design and Siting
- Environmental Engineering
- Environmental Studies, Species Studies, Permitting
- Gas Pipeline Surveying and Mapping
- Geographic Information Systems (GIS)
- Geotechnical Engineering and Geology
- Impoundment and Landfill Permitting and Design
- Land Development Engineering
- Landscape Architecture and Design
- Master Planning and Urban Design
- Mechanical, Electrical, Structural Engineering
- Natural Gas FERC Certification and Permitting
- Nuclear Energy Engineering Support
- Right of Way and Appraisal Support
- Land Surveying and Mapping
- Transportation Planning and Design
- Utility Management Consulting
- Water, Stormwater, Wastewater Management

The scope of professional services that are provided by or offered out of each GAI office including, but not limited to, engineering and surveying services, is governed by the professional and business licensing requirements of each individual State or jurisdiction in which the GAI office is located and whether GAI has the requisite professional and business licenses for that State or jurisdiction. Nothing on GAI's Web Site or marketing materials is intended to be interpreted or construed as offering to perform professional licensed services where prohibited unless the licensing requirements have been met. Engineering services are not offered out of GAI's Northern Kentucky (Florence) office location. Surveying services are not offered out of GAI's Illinois location or by our New York subsidiary.

