

EnSafe has the resources to handle all of the eventualities that can be encountered in site development, from pre-acquisition real estate transaction screening through infrastructure design. From state-of-the-art remediation systems to traditional civil engineering services such as grading and utility design, we work hard to project your project's budget, schedule, down-line liability, community relations, management buy-in, and future longevity.

BROWNFIELD REDEVELOPMENT FOR RECYCLING SITE

As the prime consultant for converting an 100-year old fertilizer manufacturer Brownfield site in Nashville, Tennessee for an environmentally beneficial reuse, EnSafe provided a wide range of environmental and engineering expertise. In essence, we recycled the lead- and arsenic-contaminated site so paper goods and metals could be recycled there. We solved unique storm water issues, negotiated Voluntary Agreement with the state regulatory agency, and prepared/submitted various required permits. The project received the Grand Environmental Award of Tennessee's American Council of Engineering Companies Engineering Excellence competition.

STREAM RELOCATION FOR MANUFACTURING EXPANSION

EnSafe assisted a manufacturing client in rerouting two sections of a blueline stream and other associated work to expand manufacturing operations. EnSafe prepared the Notice of Intent for a General National Pollutant Discharge Elimination System permit, a storm water pollution prevention plan, Aquatic Resource Alteration Permit applications for temporary and permanent creek crossings, as well as for two stream segment relocations. The effort also involved U.S. Army Corps of Engineers Section 404 and Tennessee Valley Authority 26a permits for the stream segment relocations and a concrete bridge minor access road/creek crossing.

OPTIMIZING I-69 ROUTE SELECTION VIA GEOPHYSICS

EnSafe used non-invasive technology to cost-effectively assist the Tennessee Department of Transportation (TDOT) with the tremendous challenge of siting a freeway through an area with a multitude of issues, both engineering and environmental.

To help TDOT select a route for Interstate 69 — the 1,600-mile, eight-state highway that ultimately will connect Mexico to Canada — EnSafe minimized both construction costs and negative impact to a distressed community by building a comprehensive Geographic Information System database of critical information. Geophysics supplied missing pieces of information crucial to optimal route selection and construction planning. EnSafe accomplished this well in advance of construction, allowing identified problems to be addressed early in the project's design stage. The actual cost-savings provided by geophysics were 10 times the cost of the services.

EnSafe's work won the Surveying and Mapping Grand Award in American Council of Engineering Companies of Tennessee's Engineering Excellence competition.

creative thinking. custom solutions.

- Environmental Site Assessment
- Brownfield Redevelopment Planning
- Risk Assessment
- Environmental Remediation
- Land Development Master Concept Planning
- Facilities Evaluations
- Feasibility and Development Cost Opinions
- Neighborhood Revitalization
- Urban Renewal
- Drainage Studies
- Drainage and Grading Design and Construction Plans
- Storm Water Management Planning
- Storm Water Pollution Prevention Plans
- Notice of Intent, Requests for Coverage & Termination
- Wetlands Issues Negotiations & Remediation

Contact Us

Chris Triplett, PE
(901) 372-7962
ctriplett@ensafe.com

Ginny Gray Davis, PG
(865) 693-3623
ggray@ensafe.com

TEL 800.588.7962

