

Providing NRCS Top-quality Planning and Engineering Services



Bioengineering
GROUP

Building Sustainable Communities
on an Ecological Foundation

Bioengineering Group has been awarded a [Multiple Award Indefinite Delivery/Indefinite Quantity Contract for Architect/Engineering Services for Conservation Planning Services for Work in the United States, Saipan, Guam and the Caribbean, Contract # AG-3A75-C-10-0018](#) by the Natural Resources Conservation Service. Our team is a collaboration of several highly-esteemed firms: EA Engineering, Science, and Technology, Inc.; Easterling Consultants PLLC; David Miller & Associates, Inc.; and Civil Design & Construction, Inc. Our combined experience encompasses all the areas anticipated by the contract and includes personnel with expertise in the necessary disciplines to provide support to NRCS related to training and public outreach, cultural resources, ecosystem restoration, dams and floodwalls, NEPA, watershed planning and management, and economics.



Click for information
regarding our DUNS
Number and NAICS Codes

Since our inception nearly 20 years ago, **Bioengineering Group** has provided innovative, sustainable solutions to federal clients related to the application of sustainability principles to site planning, development, and watershed and stormwater management. Distinguished by our interdisciplinary staff of ecologists, scientists, and engineering and landscape design

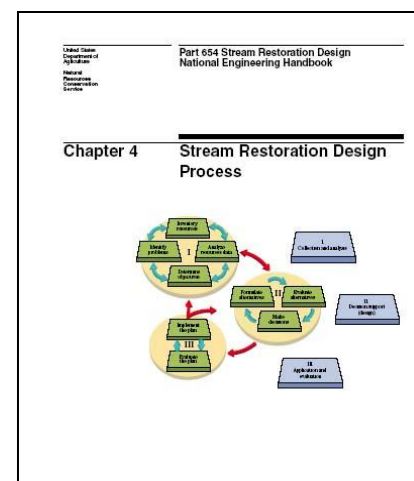
professionals, Bioengineering Group is uniquely positioned to guide large-scale water resources planning, engineering and restoration projects toward sustainable outcomes.

We understand the unique complexities surrounding federal projects as well as the mandates and procedures that accompany working with our federal clients. Bioengineering Group currently serves as a managing member of a joint venture **executing in planning and A/E services under two 5-year IDIQ contracts for USACE/New Orleans.**

These contracts support the District's Hurricane Protection Office (HPO) as well as the Protection and Restoration Office (PRO) in the reconstruction and improvement of levees and flood protection measures as well coastal ecosystem enhancement in New Orleans and its surrounding Parishes. Work assignments cover a wide range of services ranging from the development of **NEPA documents, planning support, and field investigations to the full gamut of design engineering, and construction management, services for water resources and flood control projects.**

Past Performance - Our first competitively won (unrestricted) ID/IQ A/E services contract was awarded in 1996 and since that time we have routinely received **Exceptional** and **Very Good** ACASS ratings from our Federal clients. One Rating Official remarked, "A/E produced a highly professional and complete end product... The design included significant...requirements that required extensive coordination with various technical specialists throughout the design process. Because of this complexity, the 'Architectural Design' was considered exceptional. ...All permits were obtained in time to be included in the specification package. Because of this effort, the 'Environmental Engineering' and 'Environmental Permitting' were considered exceptional."

Bioengineering Group authored a chapter in a manual for use by NRCS offices as well as for restorationists in the private sector. The **2007 Stream Restoration Design Handbook** complements the theories and principles outlined in the 1998 publication by providing technical and practical techniques and methods of stream restoration design. Bioengineering Group's contributions provide innovative and effective bioengineered streambank restoration design applications which promote sustainable ecological health, value, and function.



Team Profile



Bioengineering
GROUP

Building Sustainable Communities
on an Ecological Foundation

EA Engineering, Science, and Technology, Inc. (EA) - Founded in 1973, EA operates from 19 offices across the United States, including Alaska, Hawaii, and Guam. EA provides environmental, compliance, natural resources, and infrastructure engineering and management solutions and has enjoyed a more than 30-year history with federal clients, specifically NRCS. EA currently holds IDIQ contracts with NRCS state offices in Kansas, Nebraska, New Hampshire-Vermont, Maryland, West Virginia, and Rhode Island and works with NRCS via GSA contracts in the states of Massachusetts and Connecticut. **To date, EA has worked on 95 Task Orders from eight NRCS State Offices.** EA's history of serving NRCS state offices provides a solid working knowledge of essential NRCS protocols and guidelines, including NRCS Field Office Technical Guidance.



Easterling Consultants, LLC (EC) - EC provides watershed and floodplain management; dam design, analyses permitting, and construction phase services; stream restoration planning and design; drainage and flood control; municipal/public works planning and design; and utility planning and design services to a variety of federal clients, including NRCS. EC has performed dam assessments and inspections on **more than 80 NRCS sponsored FP sites and breach analyses on more than 35 dams in the past four years.**

Additionally, EC's Mike Woodson, PE led the team that wrote the NRCS's "National Watershed Manual." As the Water Resources Specialist at the NRCS's South NTC for more than 20 years, Mr. Woodson provided considerable assistance to the NRCS staff in Kentucky for the Watershed and River Basin Programs. During this period, he also provided training in Watershed planning, including NEPA and the Principles and Guidelines.

David Miller and Associates, Inc. (DMA) – DMA, one of the most experienced and trusted planning and feasibility analysis firms related to flood control and ecosystem restoration projects in the United States, has extensive experience in plan formulation, 905(b) reconnaissance and feasibility report preparation under the General Investigations program, Continuing Authorities report preparation under the Section 1135, 206, 205, 14, 103, and 107 programs, preparation of General and Limited Reevaluation reports, preparation of EISs and EAs, preparation of Project Study Plans and Project Management Plans, preparation of design documents and Plans and Specifications, benefit-cost analysis, financial capability analyses, cost effectiveness and incremental cost analysis, regional economic evaluations, environmental analysis, and risk and uncertainty analysis.



Civil Design & Construction, Inc. (CDC) - CDC is a Woman-Owned Small Business that provides both cost engineering services for various government agencies and private entities. CDC provides these services primarily for civil works projects such as pump station complexes, various types of channel closure gates, T-walls, roadways, bridges, and many different types of levee construction. CDC has provided cost engineering services to Bioengineering Group on USACE projects in Louisiana for three years.

Available Resources

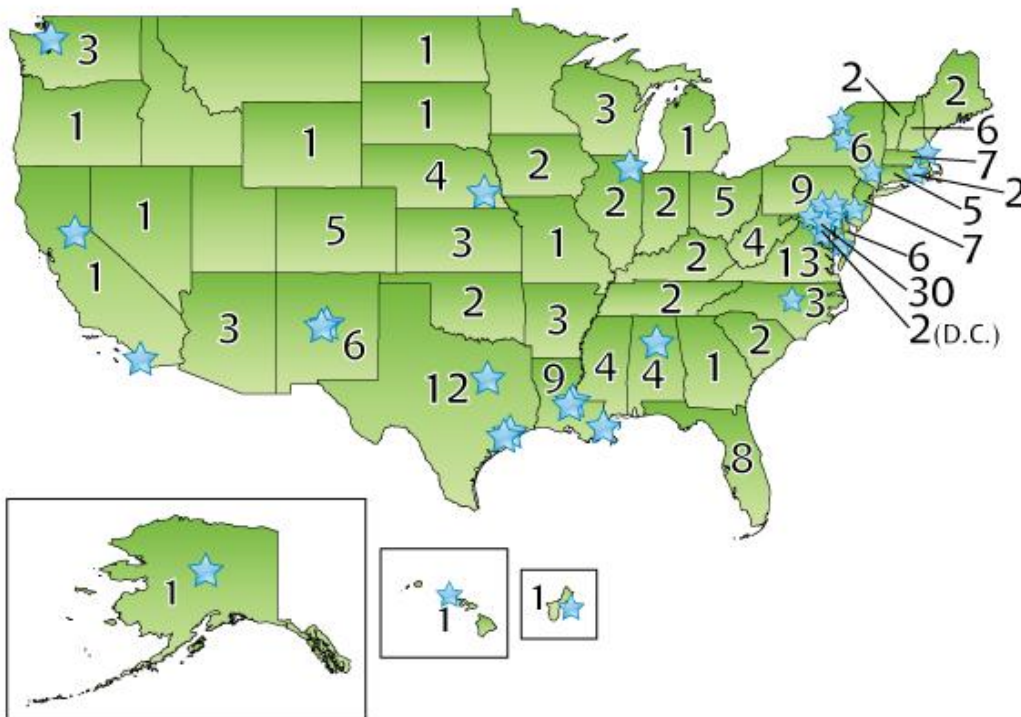


Bioengineering
GROUP

Building Sustainable Communities
on an Ecological Foundation

The Bioengineering Group team has professional engineers registered in 44 states including Alaska and Hawaii and the territory of Guam. Many of the team's engineers are registered in the NCEES (the National Council of Examiners for Engineering and Surveying). If the team is assigned a task in any state requiring professional engineering licensure, we will not hesitate to obtain the license immediately.

Professional Registrations and Technical Disciplines	
Licenses and Professional Registrations	
Professional Engineers	59
Required Disciplines	
Environmental Engineers	42
Structural Engineers	9
Civil Engineers	46
Geotechnical Engineers	9
Agricultural Engineers/Scientists	7
Hydrologic/Hydraulic Engineers	9
Geologists	51
LiDAR/GIS/Mapping	13
Planning	9
Environmental Specialists	75
Cultural Resources	1
Economist	6
Other Technical Specialists	
Compliance (including NEPA)	40
Cost Estimators	14
Surveyors	1
TEAM TOTALS	332



This map depicts the Bioengineering Group team's nationwide office coverage along with the number of registered Professional Engineers within each state or territory—further evidence that **we have the resources in place to respond quickly to your needs.**

Project Management



Bioengineering
GROUP

Building Sustainable Communities
on an Ecological Foundation

Bioengineering Group's management team provides NRCS with an exceptional group of professionals who have proven capabilities and expertise in all of the technical elements anticipated under this contract. Bioengineering Group's proposed Program Manager, **L. Robert Neville, PhD**, has a proven history of managing projects similar in scale and complexity to those described under this contract. Our management and advisory team includes:

Program Management

- [L. Robert Neville, PhD](#) - Program Manager (Bioengineering Group)
- **Karen Hartel, PE** - Assistant Program Manager (Bioengineering Group)
- [Doug Smith, PMP](#) - Operations (Bioengineering Group)

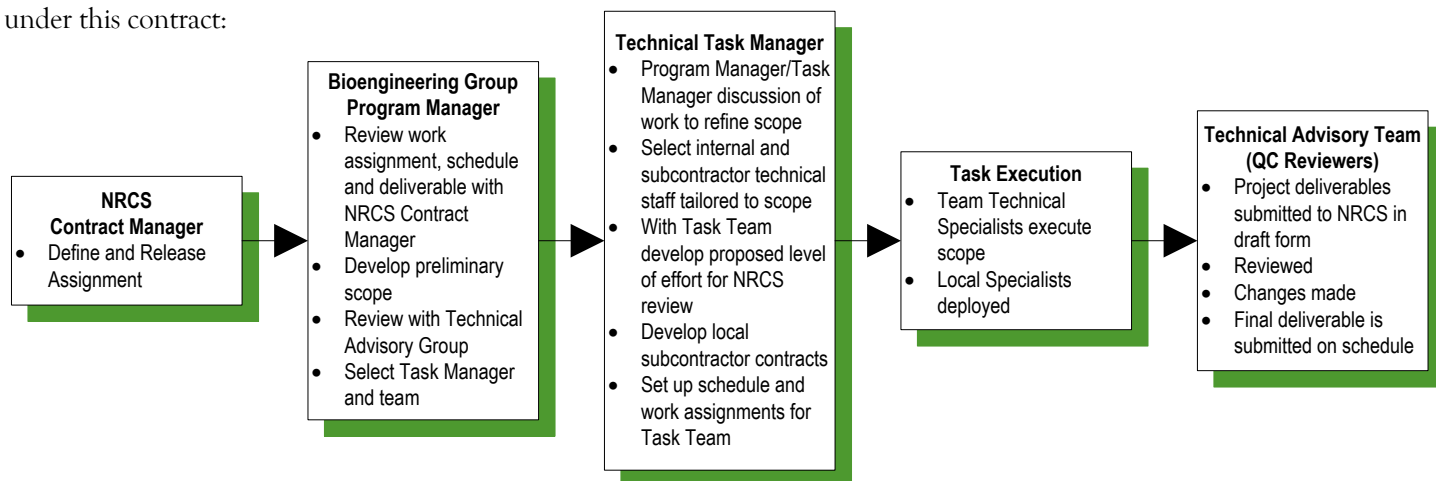
Task Order Management

- [Duke Bitsko, RLA](#) - Training and Outreach Task Leader (Bioengineering Group)
- [Doug Smith, PWS, PMP](#) - Ecosystem Restoration Task Leader (Bioengineering Group)
- **Tracy Layfield** - Cultural Resources Task Leader (EA)
- **Jeff Elseroad** - NEPA Task Leader (EA)
- **Charles Easterling, PE** - Dams and Floodwalls Task Leader and Senior Advisor (EC)
- **Mike Woodson, PE** - Watershed Planning and Management Task Leader (EC)
- **Scott Hoag, Jr.** - Economics Task Leader (EC)

Quality Assurance Oversight and Senior Advisors

- [Wendi Goldsmith, CPG, CPSSc](#) - Senior Advisor (Bioengineering Group)
- **H. Lee Becker, PE** - Senior Advisor (EA)
- **David Miller** - Senior Advisor (DM)
- [Kathryn Wilhelm, PE](#) - QA/QC (Bioengineering Group)

Our Program Manager will work with Task Managers to develop detailed project execution and quality performance plans. Depending on the location of the work, these plans will address staffing, subcontracting, procurement, communication, project risk, logistics, transportation, and personnel. NRCS will have full view of our plans and will be consulted on key issues to ensure plans are consistent with NRCS program objectives. The graphic below illustrates how task order management will flow under this contract:

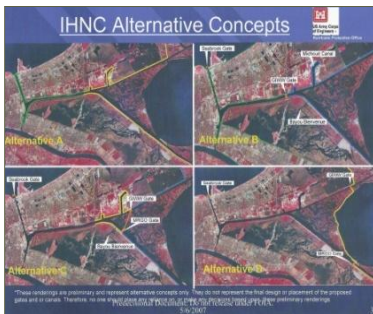




Shoreline stabilization and emerging wetland creation

Cambridge Watershed Planning and Management, On-Call Consultant for the City of Cambridge Drinking Water Supply

- Public outreach and stakeholder involvement
- Natural bank stabilization
- Emergent wetland creation and restoration
- Site improvement planning
- LID stormwater management designs
- Woodland, wetland, and pond restoration
- Natural, historic, and cultural resource inventory and analysis
- Permitting and compliance
- Landscape architecture, restoration, and management plans
- Cost estimating
- Development of plans and specifications



IHNC Alternative Concepts

Inner Harbor Navigation Canal, Orleans and St. Bernard Parishes, LA USACE, HPO

- Environmental analysis/permitting
- Biological resource assessment
- Project/program management
- Preliminary impact analysis
- 4041 B analysis
- Threatened and endangered species
- Agency coordination
- Public outreach



**Chamber revetment employed
in high energy area**

Chicago Area Waterway System (CAWS) Habitat Evaluation and Improvement Study, Chicago, IL

- Functional aquatic habitat designs
- Multiple design approaches to improve fish habitat
- Consideration of access and constructability
- Respect for established industrial function of the waterway
- Physical fish habitat improvement considerations
- Intense literature review
- Geomorphic setting assessment
- Fish habitat assessment
- Fact sheet development
- Alternatives analysis
- Conceptual design

bioengineering.com

Salem, MA (HQ)
978-740-0096

Metairie, LA
504-832-4174

Baton Rouge, LA
225-768-1505

Raleigh-
Durham, NC
919-414-8091

Philadelphia, PA
610-592-7674

Birmingham, AL
804-347-8803

San Diego, CA
858-334-8453