Summer Intern - Environmental Services

Description

Beam, Longest & Neff, LLC (BLN), is a leading provider of engineering, construction and technical services for public agencies and private sector companies around the United States. The Company offers a broad range of planning, engineering design, environmental, construction observation, program and construction management and a wide range of specialized technical services for the U.S. federal government, state and local government agencies. We provide services for transportation, bridges, site development, environmental services, water/wastewater engineering and right of way engineering and services.

Summary of Duties and Responsibilities:

Currently BLN is under contract with the Adjutant General of Indiana to conduct a vascular Plant Inventory at the Muscatatuck Urban Training Facility (MUTC) in Jennings County, Indiana. The MUTC is a range of Camp Atterbury and is a secluded, self-contained 1,000 acre urban training facility located near Butlerville, Indiana. MUTC is used to train civilian first responders, Foreign Service Institute, joint civilian/military response operations, and military urban warfare. It is also home to the National Guard Patriot Academy. In July of 2005 site was turned over to the Indiana National Guard and since has been continually evolving into a full-immersion contemporary urban training environment.

Vascular Plant Inventory

The project will include a survey of 596 contiguous acres of forested undeveloped area on the MUTC. BLN will develop and conduct a vascular plant survey of the acreage outside the main campus facility and Brush Creek Reservoir at the MUTC. The inventory will include all terrestrial vascular plants that are present on the facility including over-story, mid-story, under-story, shrubs, forbs and grass species. The inventory is intended to quantify the habitat present at MUTC in order to facilitate management decisions and assessments of the property. The survey will also include identification and recording of the noxious weed communities in the field via GIS.

BLN will develop the necessary plant inventory methodology and provide it to the Indiana Army National Guard (INARNG) Environmental Management Branch for review and concurrence. The inventory will include a spatial component beyond the base species list for the entire property. The plant inventory will be developed in a Geographic Information System (GIS) / AutoCAD / Micro Station application format with the identification of plant communities made and recorded in the field. That specific data will then be stored in a database that will allow the user to query and retrieve plant inventory information as needed. It is anticipated that the field inspection would be conducted within one growing season beginning on April 1, 2016 and extending on to October 31, 2016. The field investigation tasks will be completed by three (3) teams consisting of a plant identification specialist, GPS technician and a data recorder.

BLN will provide a digital catalog of the results of the vascular plant survey. The digital catalog will include a list of all vascular plants surveyed, with a breakdown by category between over-story, mid-story, under-story, shrubs, forbs and grass species. An additional listing will include any federal or state listed threatened, endangered, rare, species of concern and any species at risk, along with any noxious weeds species identified. Graphics will include photographs, site mapping and digital mapping, indicating locations of plant communities by category and including any listed threatened endangered, rare, species of concern, species at risk, along with any noxious weeds species.

The primary responsibilities of the Summer Intern will be to participate as a member of one of the three party teams, consisting of a plant identification specialist, GPS technician and a
data recorder to conduct the plant inventory. In addition there will in office work with data assimilation and development of the digital catalog of the results of the vascular plant survey.

**Requirements**

- In pursuit of an undergraduate (BS) / graduate degree in Environmental Science, Natural Resources, Biology or related field.
- Demonstrated experience with use of Hand Held Trimble Geo XH GPS unit.
- Demonstrated written and oral communication skills.
- Previous experience with plant identification and knowledge of Indiana plant species.
- Good physical condition with the ability to work full days in the field under a variety of conditions.

Beam, Longest & Neff, LLC offers a competitive salary in an environment where you can expand your skill set, increase your knowledge and obtain practical work experience. Please submit a current resume in MS Word format with a letter of interest.

**An affirmative action participant EOE M/F/D/V**