DEPARTMENT OF THE ARMY
FORT WORTH DISTRICT, CORPS OF ENGINEERS
P. O. BOX 17300
FORT WORTH, TEXAS 76102-0300

1 January 2012

REQUEST FOR STATEMENTS OF INTEREST

NUMBER W9126G-12-2-SOI-0006

PROJECT TO BE INITIATED IN 2012

Project Title: Evaluations for Airburst Non-lethal Weapon System Program U.S. Army Research, Development, and Engineering Command (RDECOM) Armament Research, Development and Engineering Center (ARDEC) Picatinny Arsenal, New Jersey

Responses to this Request for Statements of Interest will be used to identify potential investigators for a project to be funded by Fort Campbell which provides professional and technical support services for its Cultural Resource Management Program in order to facilitate successful implementation of the ICRMP and compliance with other requirements. Approximately $35,000 is expected to be available to support this project. Additional funding may be available for follow on work in subsequent fiscal years to the successful Recipient/Awardee.

Background:

The U.S. Army Research, Development, and Engineering Command (RDECOM-ARDEC) desires to establish a Cooperative Agreement with the Great Plains Cooperative Ecosystems Studies Unit (GP CESU) to fund (via MIPRs) programmatic environmental evaluations of the Airburst Nonlethal Munitions (ANLM). The scope involves assessing and evaluating potential impacts of this developing weapon system to the environment and human health. This includes evaluating and providing recommendations to mitigate unintended effects to endangered species, wetlands, wildlife, surface water, and groundwater at military installations and other locations where the U.S. Military trains and operates.

The ANLM system is currently in the Engineering and Manufacturing Development Phase of the defense technology life cycle. The system is a 40mm single shot, flash-bang technology that will be capable of warning and disorienting individuals from as close as 35 meters out to normal small arms engagement ranges, giving U.S. forces time to assess situations, move more freely, and assist in room clearing operations. The current design includes a non-ideal fuel rich pyrotechnic payload, proximity fuze that either deploys the payload approximately 5 meters in front of the intended target, or in a delay mode used for room clearing operations that initiates the payload in a predetermined amount of time after passing through an opening in the building. The forward motion of the projectile will be slowed down to not harm targeted individuals. Environmental evaluation studies will be performed based on information provided by the Armament Research, Development and Engineering Center (ARDEC).

Brief Description of Anticipated Work:
This research focuses on the following objectives:

- 1 Complete technical studies and summary reports, including Programmatic Environment, Safety, and Occupational Health Evaluations (PESHEs) and Life Cycle Environmental Assessments (LCEAs)
- Provide other documentation related to testing, training, and use of weapons at bases and operating areas, as PESHE or LCEA attachments, or as separate items.
- Participate in conference calls and meetings with Integrated Product Team representatives, and provide monthly progress reports.
- Reduce impacts to land, air, and water resources on / around military installations; preserve ecological, environmental, and sociological conditions; and enhance land management decision making in the Great Plains and other geographical regions throughout the United States.
- Foster collaboration between federal experts and university scientists, and enhance the body of knowledge on (non-sensitive) information on new (clean) vs. legacy weapon systems.

Period of Performance. The agreement will end 15 February 2013

Materials Requested for Statement of Interest/Qualifications:

Please provide the following via e-mail attachment to: jack.e.mobley@usace.army.mil (Maximum length: 2 pages, single-spaced 12 pt. font).

1. Name, Organization and Contact Information
2. Brief Statement of Qualifications (including):
    a. Biographical Sketch,
    b. Relevant past projects and clients with brief descriptions of these projects,
    c. Staff, faculty or students available to work on this project and their areas of expertise,
    d. Any brief description of capabilities to successfully complete the project you may wish to add (e.g. equipment, laboratory facilities, greenhouse facilities, field facilities, etc.).

Note: A full study proposal and proposed budget are NOT requested at this time.

Review of Statements Received: All statements of interest received will be evaluated by a board, who will determine which statement(s) best meet the program objectives. Statements will be evaluated based on the investigator's specific experience and capabilities in areas related to the study requirements. The statement or statements selected shall be invited to submit full proposals. Those not selected to submit full proposals will be notified of the decision in writing.

Please send responses or direct questions to:

USACE Lead: Jack Mobley, PhD
Environmental Resource Planner
US Army Corps of Engineers, Fort Worth District

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Timeline for Review of Statements of Interest: Review of Statements of Interest will begin **30 January 2012**. This Request for Statements of Interest will remain open until an investigator team is selected.