Gulf Coast Center for Evacuation and Transportation Resiliency (GCCETR) at Louisiana State University

www.evaccenter.lsu.edu

Call for proposals to support research, education, and technology transfer projects related to Evacuation and development of strategies for Resilient Transportation Systems.

PROPOSALS ARE DUE ON OR BEFORE:
5:00 PM, Wednesday, July 28, 2010

The GCCETR invites all interested faculty and research staff of LSU to submit proposals to pursue new and innovative research related to evacuation and resilient transportation systems. The recently created Center, housed in the Department of Civil and Environmental Engineering, was created to:

“…address a multitude of issues that impact transportation processes under emergency conditions such as evacuation and other types of major events as well as the need to develop and maintain the ability of transportation systems to economically, efficiently, and safely respond to the changing conditions and demands that may be placed upon them.”

This year the Center is seeking innovative proposals including but not limited to the following three key areas:

1. **Evacuation modeling and simulation.** Candidate projects may also seek to extend current Center work involving the integration of emerging evacuation travel demand models; the analysis of multimodal evacuation systems and assisted evacuation plans; as well as the visualization of evacuation traffic simulations.

2. **Strategies to improve resiliency of transportation infrastructure to climate change.** Candidate projects may include the study of operational traffic systems as well as physical infrastructure systems such as the performance and deterioration of pavements, transportation structures, etc.

3. **Studies using the newly acquired LSU Driving simulator to study driver behavior and traffic control/safety concerns.** Candidate projects may include the study of driver behavior and characteristics such as distracted, fatigued or impaired conditions as well as the study of driver interpretation of control strategies, geometric designs, construction work activities/configurations and safety countermeasures, etc.

This program seeks primarily to support faculty and staff salary (for amounts up to $40,000); which also must be matched on a one-to-one basis. Due to the requirements of the federal UTC program support, proposal submissions cannot include funds to support travel or other direct expenses, such as equipment, supplies, etc. However, graduate student support may be allowable if it can be matched on a one-to-one basis.
The GCCETR seeks to award project grant(s) for durations of up to 24 months. No time extensions will be granted. At a minimum, a final project report of result and findings is required as a deliverable at the end of the grant period. For cases in which grants are awarded for projects involving the development of products, a prototype will also need to be submitted.

**Criteria for selection of awards as ranked from highest to lowest priority:**

1. Theoretical-oriented seed projects with potential to grow into larger-scale research that will attract external (e.g., local, state, federal, and private agencies) funding. Proposers are encouraged to provide supporting correspondence and documents, if available.
2. Uniqueness of the proposed idea and its potential for implementation.
3. Multi-modal transportation applications and multi-disciplinary cooperation across departments and colleges.
4. Qualifications of the PI and the Co-PIs as evidenced by past experience in the field of the proposed work.
5. Strong component of student involvement, technology transfer, and/or educational contribution.

All complete proposal submissions will be reviewed and rated by the GCCETR Technical Advisory Board. If necessary, proposers may be asked to clarify or present technical details of their proposal to this committee. This committee is composed of representatives of academia, government, and private industry.

**Each proposal must contain the following items:**

1. A title page listing the PI and Co-PIs and their affiliation.
2. Technical description not to exceed five (5) double spaced pages.
3. A description of recent activities carried out by the PI and/or the Co-PIs relevant to the proposed topic including papers published, research contracts, presentations, Master Degree theses, and Ph.D. Dissertations. This summary should not exceed two pages.

Proposals must also include the following list of information as required by the federal sponsor (if any of these items do not pertain to your proposal, list that item and state “not applicable”):

- Project Title
- Principal Investigator, Institution, Telephone Number, Email Address
- External Project Contact, Address, Telephone Number
- Project Objective
- Project Abstract
- Task Descriptions
- Potential Benefits of the Project – including potential to use as a basis to attract future external funding
- Relationship to Recently Completed, Ongoing, or Proposed Research Projects
- Contribution to the field of Evacuation or Transportation Resilience
- Milestones, Dates (incl. Project Start and End Dates), Budget and Deliverables
All proposals need to be submitted electronically in PDF format. The proposals should be emailed to Dr. Brian Wolshon (brian@rsip.lsu.edu) and Dr. Vinayak Dixit (vinayak@lsu.edu).

**Deadline** for submitting the proposal is **Wednesday July 28, 2010** with an anticipated start date of September 2010.

Questions regarding this program and proposal submissions should be directed to:

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