



University Transportation Research Center
RFP Cover Sheet

Title: New Jersey Motorcycle Fatality Rates
Proposal Number: 2008-17
Sponsor: NJDOT
Date Issued: September 13, 2007
Pre-Proposal Meeting: Contact NJDOT by Sept. 20, 2007
Draft Budgets Due: Send to Camille Kamga by October 25, 2007
RFP Closing Date: October 31, 2007

If you plan to apply:

1. Please contact Camille Crichton-Sumners (camille.crichton-sumners@dot.state.nj.us) or Stephanie Nock (609-530-5637) to request a pre-proposal meeting, and so that you will receive information about this meeting if it is held. *This meeting will be your only opportunity to ask questions about this proposal.*

2. If you plan to submit a proposal through UTRC, please notify us by email at nadia@utrc2.org and ckamga@utrc2.org. Please indicate whether you are open to teaming up with faculty at other universities on this project.

Proposal submission guidelines:

Please contact Camille Kamga (ckamga@utrc2.org, 212-650-8087) to discuss submission logistics. After UTRC confirms that the proposals' budgets meet UTRC and NJDOT guidelines, we can either provide you with a UTRC cover sheet, or you can send us the printed proposals for hand-delivery to NJDOT.

Proposals must be prepared in accordance with NJDOT's Information and Instructions for Preparing Proposals. Please visit: <http://www.state.nj.us/transportation/refdata/research/pdf/techpropresproj.pdf>

For questions about budget preparation, contact: Camille Kamga, ckamga@utrc2.org

NJDOT has not specified a budget or timeline for this project. Please note that matching funds up to \$50k are available from UTRC for projects that are relevant to UTRC's theme of "Planning and Managing Regional Transportation Systems in a Changing World." Decisions about the availability of these funds will be made pursuant to the relevance of the topic and the volume of requests.

New Jersey Department of Transportation
Bureau of Research
RESEARCH PROJECT
Scope and Request for Proposals
2008 Program

Date of RFP
August 15, 2007

Closing Date
October 15, 2007

New Jersey Motorcycle Fatality Rates

Project 2008-17

(Proposals must be prepared in accordance with NJDOT's *Information and Instructions for Preparing Proposals*. Please visit: <http://www.state.nj.us/transportation/refdata/research/pdf/techpropresproj.pdf>

Revised Proposal Evaluation Forms are available for your information on the website

Proposals will be based on the merit of the information contained in the proposal. Budgets will be evaluated separately. Please place three (3) copies the budget for this project in a separate sealed envelope.

Comment [T1]: The proposal evaluation form has been revised. Additional consideration will be allowed for joint initiatives amongst universities

1. RESEARCH PROBLEM STATEMENT, BACKGROUND AND OBJECTIVES

There is a need remedial action to reduce motorcycle accidents in terms of motorcycle education and training. The NAMS Implementation Guide identifies several strategies for addressing these issues; however there is not a state specific recommendation. New Jersey is much different in terms of congested and diverse roads of New Jersey than many other states. We are looking for a research based solution to provide New Jersey with state specific recommendations that will reduce motorcycle accidents.

At a time when other transportation related fatalities are decreasing, motorcycle fatalities are increasing at a rate greater than the growth rate of motorcycle ridership. The NHTSA has issued the National Agenda for Motorcycle Safety (NAMS) Implementation Guide identifies several types of crashes and fatalities variables that appear to be statistically unusual in terms of driver behavior when compared to similar data for motor vehicles.

For example, alcohol use was a factor 32-44 percent of fatalities, the average age of riders killed in crashes was in the 40 - 60 range, and many of the crashes were single vehicle events. This is not the case with motor vehicle accidents. Why are "mature drivers" with the discretionary income to buy a motorcycle, drinking and dying?

The motorcycle fatality rate has increased in each year in New Jersey since 1999. There were 63 motorcycle fatalities in 2005 and 80 in 2006. A preliminary look at the data for this state suggests alcohol involvement in New Jersey motorcycle crashes may be higher than the national average, single vehicle accidents suggest increased experienced rider training would have a positive impact, and roadway design and signage strategies could be employed to reduce the increasing trend in New Jersey motorcycle accidents.

2. Tasks

[Provide a listing of appropriate general tasks divided into phases based on types of work (e.g., laboratory, field) or by year (e.g., year 1, year 2) or other appropriate milestones]

Comment [T2]: The Bureau of Research will not suggest tasks appropriate for the research study. Principal investigator must develop this list based upon the research need and the determined approach.

*The NJDOT is seeking the insight of proposal responders on how best to achieve the research objectives. Proposers are expected to describe a research effort that can realistically be accomplished as **expeditiously as possible**. Proposals must present the proposers' current thinking in sufficient detail to demonstrate their understanding of the problem and the soundness of their approach for conducting the required research.*

PHASE I – Literature Search

Conduct a literature search of the current state of the practice.

After the award of the project, a more comprehensive literature search should be conducted. At the completion of this literature search, the PI will make a presentation to the Research Project Selection and Implementation Panel to discuss their findings and to discuss the appropriate research approach.

PHASE II – Research Approach and Anticipated Results

Clear description of how you will solve the problem and implement anticipated findings; Work may be divided into phases (e.g., Laboratory, Field or Year 1, Year 2) as necessary to clarify tasks. *Exit Criteria* must be developed during this phase.

Comment [T3]: New

Comment [T4]: A method of "process control" consisting of a collection of predefined conditions or standards, against which a process or output is compared to ensure that it conforms to acceptable standards of quality.

3. Implementation and Training Plan

The PI must meet with the Research Project Selection and Implementation Panel (RPSIP) and other NJDOT units to present the findings and as appropriate train these personnel in the use the project results.

The PI will develop an implementation plan as per the guidelines provided by NJDOT Research Bureau.

Comment [T5]: Implementation Survey is available on the Bureau of Research Website and through Research Project Managers.

4. Deliverables: [List of minimum deliverables necessary to complete the project]

- Presentation of Summary of Literature Search Results
- Discussion to Support and Refine the Project Tasks
- Project work plan.
- Technical Memorandum on the survey results
- Technical memorandum on the measures that are working or not working
- Technical memorandum on actions taken
- Interim Status reports suitable for Senior Leadership if required
- Quarterly Reports, and
- final report with appropriate tables, graphs and chart in hard copy version, PDF file format, Word, and on CD ROM. Two copies plus one per RSIP member of each presentation, technical memorandum, draft final report and Final Report (plus 10 copies). The Final Report and Tech Brief are due three (3) months before the end date of the project to allow time for review by the Research Project Selection and Implementation Panel.

5. Contract Time:

The PI must provide anticipated research study duration based on the proposed tasks. Please include 3 months for review and revision of the final report. Final Acceptance will be granted upon receipt of ten copies of the approved final report.

Comment [T6]: New. Research Bureau Staff will no longer provide suggested durations in RFP's. Based on the problem need Principal Investigators must recommend an appropriate project duration which will provide desired results in an expeditious fashion.

6. Contacts:

A Pre-proposal meeting will be scheduled with interested parties after the RFPs are distributed to refine the objectives and deliverables and to promote a better understanding of the research needs. Questions on this topic **shall not** be directed to any Research Project Manager, Research Customer, or any other NJDOT person. All questions and answers will be addressed **during this meeting**. Contact Camille Crichton-Summers (Camille.CrichtonSummers@dot.state.nj.us) on or before September 1, 2007 to confirm your participation in this meeting.

Comment [T7]: A final acceptance memo will be issued for each project once the final report is approved and the designated number of copies are delivered to the Bureau of Research.

Comment [T8]: The pre proposal meeting, will be the only opportunity to ask questions regarding the proposed study.

7. Deadline

Proposals (10 single-bound copies) are due at NJDOT Bureau of Research no later than 4:00 p.m. October 15, 2007

This is a firm deadline, and extensions simply are not granted.

Authorization to Begin Work: January 1, 2008--estimated

8. Delivery Instructions:

For private, paid messenger services such as Federal Express, DHL, UPS, etc., or for hand-carried deliveries:

2008 PROPOSAL-NJDOT
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Bureau of Research
1035 Parkway Avenue
Trenton, New Jersey 08625-0600

For U.S. Postal Service mail:

New Jersey Department of Transportation
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