REQUEST FOR PROPOSALS

Synthesis on the Contributing Factors and Effective Countermeasures for Low Volume Roadway Fatality Rates in the Southeast
LTRC Project No. 19-2PF, SIO No. DOTLT1000287
Southeast Transportation Consortium

BACKGROUND

The Southeast Transportation Consortium (STC) was formed to encourage coordination among member states and provide resources and management of collaborative studies. The states' transportation research programs collectively offer a broad range of talent and expertise. One of the consortium's goals is to reduce duplication of research and provide means for better communication of research activities in the state research programs. The cooperative and collaborative objectives of the STC program are to develop synergy and provide for a more efficient use of resources. State research programs are driven by policy makers to solve transportation problems that exist in that state. However, there are many transportation issues that are universal to all states. In order to reduce redundancy of state research projects and promote transfer of knowledge on completed research, there exists a need to classify and quantify the focus, status and implementation of all member state research projects and programs.

PROBLEM STATEMENT

It is well documents that low volume roadway crashes account for a larger portion of fatalities on the roadway networks within the Southeastern US. Many State Highway Agencies (SHAs) have identified this problem and are working to combat the high fatality rate in low volume roadway crashes. This synthesis study will attempt to bring identified contributing factors to low volume crash fatalities as well as effective countermeasures used by different SHAs to combat the fatality rates on low volume roadways.

OBJECTIVE

The primary objective of this synthesis project is to document the contributing factors and potentially effective countermeasures employed by SHAs for low volume crash fatalities.

RESEARCH APPROACH

Louisiana Transportation Research Center (LTRC) is seeking the insight of proposers on how best to achieve the research objectives. Proposers are expected to describe synthesis efforts that can be realistically accomplished within the constraints of available funds and contract time as allowed in this RFP. Proposals must present the candidate's current thinking in sufficient detail to demonstrate their understanding of the problem and the soundness of their approach. Task descriptions are intended to provide a framework for conducting the research. The proposal shall address, at a minimum, the following tasks:

Task 1 Perform Literature and Discovery Search

Perform literature and discovery search for completed and ongoing studies being conducted by state DOT's, NCHRP or other Federal agencies, and private research institutions that relate to low volume roadway fatality rates in the US. The search may include a survey of

states to determine where examples of contributing factors and effective countermeasures exist to prevent or reduce low volume roadway fatalities.

Task 2 Documentation of Contributing Factors and Best Practices Countermeasures
Document the main contributing factors for low volume roadway fatalities and the best practices countermeasures employed to date to reduce the number of low volume roadway fatalities.

Task 3 Final Report, Technical Summary, and PRC Presentation
The research team will prepare a final report to document the entire research effort. The final report should include all the data, results, and recommendations generated by this study. A Final Draft Report, Technical Summary document (two pages), and summary presentation to the Project Review Committee (PRC) are due three (3) months prior to the project completion date for review and approval. The final report shall direct and recommend future steps toward the incorporation/implementation of the synthesis results and include recommendations on other areas that could be further expanded in subsequent research projects.

DELIVERABLES
The proposal shall include project deliverables for appropriate tasks. Deliverables shall be due as defined in the proposal. The proposal shall include at a minimum the following deliverables:

- Final Report and Technical Summary
- Presentation to the PRC

SPECIAL NOTES

A. LTRC research projects will be conducted in accordance with the LTRC Manual of Research Procedures, 2016 edition.

(http://www.ltrc.lsu.edu/pdf/2016/LTRC_RESEARCH_MANUAL_FINAL.pdf)

B. Task descriptions are intended to provide a framework for conducting the research. Louisiana Transportation Research Center (LTRC) is seeking the insight of proposers on how best to achieve the research objectives. Proposers are expected to describe research plans that can be realistically accomplished within the constraints of available funds and contract time as highlighted on page 4. Proposals must present the candidate's current thinking in sufficient detail to demonstrate their understanding of the problem and the soundness of their approach.

C. Any surveys or questionnaires developed by the research team shall be reviewed and approved by the PRC prior to distribution.

D. The proposal should include travel to meet with the STC member states at the annual meeting for presentation of the final report at a minimum. Funds budgeted for travel shall be limited to what is necessary for the conduct of the research. Funds shall not be budgeted for conference travel. Funding for technology transfer of research results are available upon request subject to LTRC approval and available funds.

E. Graduate assistance stipends are allowed. Tuition reimbursement or tuition remission

rates applied to stipends are not allowed.

F. To equitably answer any questions regarding this Request for Proposals, the Louisiana Department of Transportation and Development (LA DOTD) website will be updated with questions and answers and related documents regarding the project.

http://webmail.dotd.louisiana.gov/AgreStat.nsf/BWebAdvertisements?OpenPage

LA DOTD makes these documents available for informational purposes only to aid in the efficient dissemination of information to interested parties. LA DOTD does not warrant the documents against deficiencies of any kind. The data contained within this web site will be periodically updated. Interested parties are responsible to be aware of any updates. Questions regarding this RFP should be submitted in writing to the LTRC contact person. Questions must be received by close of business seven calendar days prior to deadline date.

G. Consultants and business entities shall be registered with the Secretary of State in order to be able to work in Louisiana prior to award of contract.

http://www.sos.la.gov/Pages/default.aspx

H. If Sub-Consultants/Entities are used; the Prime Consultant/Entity must perform a minimum of 51% of the work for the overall project.

I. LTRC reserves the right to withhold invoice payments for delinquent deliverables as defined in the proposal.

ESTIMATED COST OF RESEARCH
$40,000

ESTIMATED COMPLETION TIME
9 months (*includes 3 months for review and approval of final report*)

LTRC PRIMARY CONTACT
Elisabeta Mitran, Ph.D.
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Baton Rouge, LA 70808
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AUTHORIZATION TO BEGIN WORK:
October, 2018 (estimated)

PROPOSAL FORMAT
All proposals are required to be formatted according to LTRC Manual of Research Procedures. Section 3.3 provides guidance on proposal development. A copy of the Manual may be downloaded from our website (http://www.ltrc.lsu.edu/pdf/2016/LTRC_RESEARCH_MANUAL_FINAL.pdf).

PROPOSAL SELECTION

The Project Review Committee selected for this project will review, evaluate and rank all proposals received using the criteria established on the attached proposal review form.

DEADLINE FOR RECEIPT OF PROPOSALS
Ten copies of the proposal must be received by LTRC by the close of business day of September 4, 2018.

Proposals should be submitted to:
Samuel B. Cooper, Jr., Ph.D., P.E.
Director Louisiana Transportation Research Center
4101 Gourrier Ave.
Baton Rouge, LA 70808