WSDOT RESEARCH PROBLEM STATEMENT FOR 19-21 BN

DUE NO LATER THAN OCTOBER 5, 2018 TO THE RESEARCH OFFICE

Problem statement concepts may come from any source but must have a WSDOT sponsor for submittal.

1. RESEARCH PROBLEM STATEMENT TITLE

2. ESTIMATED COST AND TIMING

Estimated Cost: $
(Remember to include equipment, travel, and tuition for graduate students and overhead in addition to researcher costs. See the RLS Budget checklist to help cost out your project.)

Planned Start Date: Month/Year Planned End Date: Month/Year

Is this another phase of an existing research project? If yes, what project?

3. RESEARCH PROBLEM DESCRIPTION Please be as specific as possible in answering these questions.

What is the problem?

Why does WSDOT need to solve this problem?

What is the significance/urgency of the problem? (Include any objective data that show the magnitude such as how many structures, locations, or modes are impacted)

4. RATING CRITERIA

Please describe how this research will address one or more of the following rating criteria:

STRATEGIC: The extent to which the proposed research addresses Results WSDOT.

VALUABLE: The likelihood the potential value of the research is greater than the cost of the study.

IMPLEMENTABLE: The likelihood results will inform decisions, create new tools, materials or products or influence changes to policies or procedures.

PRACTICAL SOLUTION: What is the practical solution that may be the result of this research?

5. RESEARCH OBJECTIVE AND SCOPE

What is the proposed research objective and scope to address the problem?

How will the research solve this problem?

6. IMPLEMENTATION

Which programs in the department does this problem impact?

What benefits is this research project anticipated to deliver and how do you anticipate the results will be used within WSDOT?

What are the specific deliverables?

Is the Division/Office willing to lead the implementation of the research if successful?

7. LITERATURE SEARCH
At a minimum, check the literature in the Transportation Research Information Services and Research in Progress databases. You can also request a literature search from the WSDOT Library. Please provide a brief summary of the literature search results.

8. Do you have a preferred Principal Investigator (PI) for this research problem? (If no PI is identified and this research is funded, an RFQ will be issued by the WSDOT Research Office to select a PI.)

___ NO ___ YES If yes, who and why? (e.g. A PI has unique knowledge (describe).)

Can the PI provide additional funding (e.g. PacTrans or other program funds)?
___ NO ___ YES If yes, indicate whether funding has already been approved and identify the source of funds and amount. There are no points assigned in evaluating the answer to this partnership funding question.

9. WSDOT Sponsor:

WSDOT Division Manager/Director:

Research Manager: