PacTrans Call for Multi-Institution Project Proposals for 2016

Due date: Feb. 16, 2016 for proposal abstracts and Apr 18, 2016 for full proposals

PacTrans is now soliciting research proposals for multi-institution projects under the theme of “Developing Data Driven Solutions and Decision-Making for Safe Transport.” Specific topic areas under each of the three directions, i.e. Safe Infrastructure, Safety User, and Safe Operations, identified through the 2015 Regional Transportation Safety Workshop are as follows:

1. Safe Infrastructure
   1-1) Effectiveness of Measures to Reduce Collisions (e.g., raised sidewalks, barriers, rumble strips, roundabouts, cameras, lane reallocation)
   1-2) Template for Collection and Analysis of Collision Data
   1-3) High-Tech Solution to Lifeline Resiliency

2. Safe Users
   2-1) Finding the Tipping Point of Bicycle Use that Would Result in Improved Safety
   2-2) Hybrid Data Collection Models for Effective Prediction of User Travel Mode Utilization
   2-3) Implications of Changing Demographics on User Safety

3. Safe Operations
   3-1) Investigations on Reasons and Impacts of Vehicle Speeding
   3-2) Identification of Pedestrian-Involved Collision Risk Locations and Cost-Effective Solutions
   3-3) Safety Benefits of Connected Vehicles

Each proposal must clearly address one or more of the above nine topic areas. Also, they require meaningful contributions from more than one institution, and a 1:1 non-federal match. Cash match is preferred.

The submission procedure contains two steps, (1) proposal abstract submission by Feb. 16, 2016, and (2) full proposal submission by April 18, 2016. Proposal abstracts will be used for timely recruiting of reviewers and initial assessment by the field experts on how well the proposed research effort responds to the call on above topic areas. Those who miss the proposal submission deadline for abstracts will not be allowed to submit full proposals. PacTrans Board of Directors will share the initial assessment result to the abstract submitters and leave the decision to submitters on whether to proceed with a full proposal submission or not. To be considered, all proposal abstracts and full proposals must be submitted before the specific deadlines.
Period of performance is one year with approximate start date of September 16, 2016.

The maximum amount for an individual proposal is $180,000 of Federal funds with a required 1:1 non-federal match.

**Due dates:**

- Submission deadline for the proposal abstracts: Feb. 16, 2016
- Initial feedback to abstract proposers: Mar. 14, 2016
- Submission deadline for the full project proposals: April 18, 2016
- Decisions to bidders: May 31, 2016
- Revised proposal with comments properly addressed by bidders for final acceptance: June 13, 2016
- Final decision notification: July 1, 2016
- Anticipated period of performance: One year from contract start date (appx start: Sept. 16, 2016)

**Submission Guidelines**

**Proposal Abstracts: Due February 16, 2016**

Proposal abstract should be submitted online in an Adobe PDF file with the following required information:

1. Project title
2. PIs, their affiliations, and contacts
3. Focus area (one or more of the three topic areas listed in this RFP)
4. Match funds provider(s)
5. Proposal abstract (350 words maximum)
6. Research type (applied research vs advanced research)

**Full Proposals: Due April 18, 2016**

The full proposal should be NO MORE THAN TEN (10) pages (without references and match letters) and include the following categories:

1. Project Title

2. Collaborators and Affiliations: The project needs to identify the PI, lead organization, and collaborating institution(s) and respective co-PI(s). The study for multi-institution projects needs to include at least one additional consortium partner in a meaningful way for projects up to $180K. Please note that ONLY the five consortium universities of PacTrans are qualified partners.
3. **Project Goal**: Identify the purpose of the project as it relates to the region (benefits to more than one state), the relevancy to the PacTrans theme (see above), and the strategic goal of SAFETY.

4. **Relevancy of Institutional Partnerships**: Projects should demonstrate the importance of working with more than one institution to address the project goal. That is, what is the ADDED value/benefit from working with another institution that cannot be done solely within one institution.

5. **Research Background and Problem Statement**: What problem is being solved and why should anyone care.

6. **Approach**: General framework for what you plan to do, approach, methodology, etc.

7. **Research Outcomes and Technology Transfer Plan**: Please clearly describe deliverables of the proposed research. Also, consider potential stakeholder and how the results can be implemented. That is, how can the research/technology translate to policies, education, road improvements, crash countermeasures, etc. To facilitate technology transfer, at least one deliverable should be designed for technology transfer. It could be a video, website, or a presentation file. Technical report cannot serve for this purpose."

8. **Amount of UTC Funds Requested**: A maximum of $180K is available for each project. IDENTIFY THE AMOUNT to be allocated to each institution.

9. **Non-federal Match**: Justification for and commitment of the match is required. This can include a formal letter from the state agency, your university, or other non-federal source that shows the interest to commit the match, the amount, and type of match (in-kind or cash). Also, a contact person for the matching source should be identified in the proposal.

10. **References**: The literature cited in the proposal need to be provided.

Please note that up to ten pages are allowed for categories 1-8. Also, each institution can lead no more than one multi-institution research project. There is no limit on how many proposals can be submitted from an institution as the lead or supporting partner. However, all partners involved in each project need to have a clear and meaningful role.

**Budget Considerations**

- Proposal budget must follow the PacTrans budget template downloadable at [www.pactrans.org](http://www.pactrans.org)
• A detailed budget is needed and should clearly identify the source of the 1:1 non-federal matching. The budget should include funds for project reporting and travel to the PacTrans regional conference to present results to the Region 10 community.

• A signed letter from the non-federal source (or related documentation) needs to accompany the budget.

External Review Process

• PacTrans will request at least three external peer reviewers for each proposal. The reviewers will have one month to review.

• Decisions will be made based on external review reports by the PacTrans Board of Directors.

• Reviewer comments MUST BE sufficiently addressed by the winning PIs before funding can be allocated.

Questions: Email pactrans@uw.edu

If you have any questions please don’t hesitate to contact the Region 10 Associate Director for your respective campus or PacTrans staff:

Dr. Weibin Zhang [research coordinator assisting Dr. Linda Boyle], University of Washington
Dr. Ahmed Abdel-Rahim, U. Idaho
Dr. Chris Bell, Oregon State U.
Dr. Kenneth Casavant, Washington State University
Mr. Billy Connor, University of Alaska system (including Fairbanks, Anchorage and Southeast)