



PEER Transportation Systems Research Program Request for Proposal 18-01

Proposal Submission Deadline: October 15, 2018

Questions submitted by 5PM, September 27, 2018, with Responses
(posted September 28, 2018)

1. Could you please clarify the expected funding level: is it up to \$100K per year (i.e. up to \$200K for a two-year project) or \$100K for the entire duration of the proposed work (regardless of the duration – up to two years)? Regardless, I realize that awarding of funds for the second year is contingent upon available funds and on satisfactory project progress as indicated in the solicitation.

Response: It is \$100k per year maximum, or up to \$200k for a two-year project.

2. Regarding the current RFP, as far as we understand this proposal should be related to the seismic and tsunami performance of transportation systems. Section A.3 states: "A.3. Going beyond earthquakes and learning from past development of PBEE in the face of earthquakes, proposals are solicited in extending the PBEE methodologies to other natural hazards including multi-hazards applied to transportation systems". Thus, can we propose a sort of connection between seismic performances and resistance to the fire/blasting produced by an accident on concrete bridges?

See for instance what happened in Bologna, Italy, last summer when a tanker truck explodes after collision with a truck near Bologna airport, which resulted in two people killed and dozens injured after the blast: <https://www.theguardian.com/world/2018/aug/06/italy-tanker-truck-explodes-on-motorway-near-bologna-airport>. Shall we proceed and submit a proposal with this theme?

Response: Yes, a proposal combining fire and bridges may be submitted.

3. I am planning to submit a proposal with colleagues at Oregon State University. The proposal will focus on seismic and tsunami performance assessment of bridges and road networks and use Clatsop County, Oregon, as the case study region. I want to confirm whether it is acceptable to use Clatsop County, Oregon, as the case study region.

Response: Yes.

4. In the second paragraph of "PBEE Tools," it states that "the development of improved elements, material constitutive models and numerical solution strategies in OpenSees will remain a priority for the PEER-TSRP." I also realize that the "numerical solution strategies" is not in the bullet item T.2. I was wondering if the development of numerical solution strategies is still within the consideration for this solicitation.

Response: Yes.