Answers to Pre-Proposal Questions
Multi-Modal Intelligent Traffic Signal System (RFP #MW110811)

November 18, 2011

1. Since this type of concept of operations and requirements definition study can be conducted to multiple levels of detail, it is important for us bidders to understand the level of detail that the project sponsors need. This could be expressed in terms of labor-months of effort or overall funding available. Otherwise, we can only guess at what you have in mind for this project.

   Further information can be found at the Cooperative Transportation Systems Pooled Fund Study website -- [http://cts.virginia.edu/CTSPFS_1.html](http://cts.virginia.edu/CTSPFS_1.html)

2. The final reports of previous projects cited under Subtask 2.1 do not appear to be accessible at the url listed, after clicking on the link for "Reports and Presentations". Can you make them available there or by other means?

   These reports are available under the “Research Program” section which provides brief descriptions as well as the final reports of the previous projects.

3. Should both the Arizona and California test sites be designed to accommodate all five functions, or are you expecting different functions to be allocated to the different sites?

   The pooled fund study members are not requiring all functions to be tested at both sites. This decision will be made in cooperation with the pooled fund study members. However, irrespective of the allocation of a function to a specific site, the design shall enable interoperable application of all five functions at both sites.

4. Section III. B states that Caltrans and MCDOT will provide vehicles, but it is not explicit about whether they will provide those vehicles equipped with DSRC OBEs that can communicate with the DSRC RSEs at the two corridor sites.

   Vehicles for testing purposes will be equipped with DSRC OBE’s that will communicate with the DSRC RSEs at the corridor sites.

5. The RFP specifically identifies standards to be applied to the ConOps and the System Requirements. What are the expectations for design documentation?

   The system design included in the current project scope is a high-level design. As such, the bidders may propose standards or other previous practices relevant to this level of system design.

6. At what level is the design to be conducted? Is this a high level design only or a low-level design that could be delivered directly to developers?

   The system design requested in this project is a high level design.

7. Both field test locations indicate DSRC at particular locations. What sort of cellular data coverage is available in the test corridors?
Cellular data coverage typically provided by the mobile phone companies is available in the test corridors. LTE (4G) coverage is available from Verizon, and HSPA+ (3.5G) is available from AT&T at both sites. Sprint and T-Mobile also have high bandwidth coverage there.

8. The schedule for deliverables does not appear to include any time for CTS PFS members to review documents. For example, the ConOps draft is to be delivered and then revised based on comments within two weeks of receipt of comments. The schedule for deliverables shows the draft and revised ConOps due 16 and 18 weeks from award, respectively. This allows zero days for review. Will you be revising the schedule to allow some review time?

The schedule for deliverables in the RFP is not final but presented to provide bidders with major milestones of the project activities. Hence, the bidders may slightly modify this schedule as needed and propose a revised schedule when submitting a proposal.

9. Subtask 2.2: Whose responsibility (the firm or the University) is it to identify and engage key stakeholders to participate in this task?

It is the primary responsibility of the selected contractor to identify and engage key stakeholders. The pooled fund study team will provide as much support as possible for this task.

10. Is the firm expected to cover any of the stakeholders’ costs (travel, accommodation, time) to participate?

   No.

11. Task 4: No IEEE standard was suggested for the development of the system design. Can you provide additional guidance or examples to demonstrate the expected scope and level of detail of this document?

The system design included in the current project scope is a high-level system design. Bidders may identify and propose standards or other previous practices relevant to this level of system design.

12. Task 5: No IEEE standard was suggested for the development of the test plan. Can you provide additional guidance or examples to demonstrate the expected scope and level of detail of this document?

We would like the bidders to determine and propose the level of detail of the test plan considering the overall funding level of this project.