

QUARTERLY PROGRESS REPORT

Fiscal Year 2015/2016 , Quarter 3rd

Caltrans Task Manager: David Chursenoff Task ID/Project ID (for Caltrans use only): 2806

Task Order No.: 025

Contract No.: 65A0529

1. Task Title: Promoting Peer-to-Peer Ridesharing Services as Transit System Feeders

2. Describe last quarter's tasks/deliverables:

Task 5. Joint rideshare assesment (nearly completed)

Task 6. Standalone rideshare (nearly completed)

Task 7. Mobile application (nearly completed)

Task 8. Pilot field tests (survbey questions completed, the survey itself not started)

During the past quarter we developed differet types of link sets, customized to promote ridesharing as a feeder to transit. Using these link sets and trip tables obtained from the SCAG model, we ran simulations, and conducted a sensivity study over different input parameters to the simulations, including Value of time (VOT), number of drivers willing to particpate in the system, and distance-based fares for riders. In addition, we analyzed simulation results and demonstrated (i) under what range of parameters system performance is the highest, (ii) under what circumstances ridesharing has a higher chance of feeding transit, and (iii) the potential modal-shift from the drive-alone mode to the rideshare and transit-rideshare modes under the proposed system.

The discussions in the teleconferences during this quarter with the project manager and the advisory panel had resulted in a suggestion that a more detailed field survey would be useful rather than a smaller-scale survey, as was expected in the original proposal. UCI agreed with this, as we do not anticipate additional costs to do the survey using the student employed in the project. As a follow-up project on Uconnect project (Caltrans 65A0529 TO 046: Designing a Transit-Feeder System Using Bikesharing and Peer-to-Peer Ridesharing) is starting at UCI on May 1, 2016, we have made modifications on the survey plans so that a combined survey could be attempted, however.

3. Describe next quarter's tasks/deliverables and their due dates:

The primary task for the next quarter is completing the remaining work and preparing the final report. Though the field survey remains to be done, the required IRB approvals from UCI for the revised face-toface survey schemes may cause the survey to be potentially delayed beyond the end date of the project (May 1). Subject to approval from the project manager that the survey can be done during the follow-up Caltrans project (TO 46) period, we expect the final report to be finished without the survey results during the one month in 2015-16 Q4 before the project ends, ror delay the submission of the final report till the survey is completed.



4. Describe Project Status:

- Are you on time with your schedule?
 YES
 NO

- Are you on budget?
 YES
 NO

- Are you on scope?
 YES
 NO

If the answer to any of the above is NO, please explain below:

5. Estimated percent of work completed: 95%
 Estimated percent of budget expended: 95%

6. What are your expenditure projections for the next four quarters or until the project's end?

FY 15/16; Q1	FY 15/16; Q2	FY 15/16; Q3	FY 16/17; Q4
\$ 19,000	\$ 45,000	\$ 50,000	\$ 5,631



Use this area for any additional information. Clearly identify which Section this information applies to.

Submitted By: Prof. R. Jayakrishnan, PI, UC Irvine

Date: May 3, 2016