

QUARTERLY PROGRESS REPORT

For 2nd Quarter, Fiscal Year 2015/16

Caltrans Task Manager: Frank Law

Project ID:

Task Order No.:

Contract No.: 65A0529

- Task Title: Crowd-sourced Data to Activity Models: Human Mobility Prediction for Real-time Ride-sharing
- Describe last quarter's tasks/deliverables:
 1. CPSH protocol for the study – Dec. 1st
 2. Design text data collection – Dec. 30th
 3. Continue analysis of location data – Dec. 30th
- Describe next quarter's tasks/deliverables and their due dates:
 1. Software implementation of Google Calendar and other text data collection – Feb. 28th
 2. Beta testing software – Mar. 7th
 3. Study participant recruitment – March. 31st

Describe Project Status:

We have conducted in-depth study of the location data that we have collected through our software system. We are able to extract important locations from participants with good quality data and infer traveling mode from Android phone users. Mobility models for those with good quality location data were constructed. Addition to our location data collection system, for our next phase of study, we have further integrated Google Calendar. The designed mechanism allows our system to push detected activity on participants' Google Calendar. Our system will collect prescheduled activities and the labeling for detected activities.

Are you on time with your schedule?

YES
 NO

Are you on budget?

YES
 NO

Are you on scope?
 YES
 NO

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

5.0 Estimated percent of work completed: 50%
Estimated percent of budget expended: 50%

6.0 What are your expenditure projections for the next two (2) quarters?

\$20,000	\$20,000
FY 14/15; Q 4	FY 15/16; Q 1

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

Submitted By: Raja Sengupta , PI Date: 2/9/2016