Connected Vehicle Pooled Fund Study

Program to Support the Development and Deployment of Connected Vehicle Applications

University of Virginia Center for Transportation Studies

Progress Report
September 2015

Project Activities/Progress

1. Pooled Fund Study Overall
   a. A monthly call was held on Friday, September 25th 1:00PM EDT.
   b. Phase III Project Ideas – draft scopes completed
      i. Basic Infrastructure Message (#1, #3, and #3-1)
      ii. Cybersecurity (#4)
   c. Face-to-face meeting planning
      i. Phoenix, AZ on December 2nd and 3rd
         1. Day1: MMITSS demonstration, project updates
         2. Day2: CV PFS business
      ii. Travel logistics
         1. Hotel: The Scottsdale Plaza Resort
         2. Meeting place: Meetings will be held at the hotel
         3. Meals: Breakfast, lunch, and snacks on 12/2-3 will be provided at the hotel. Dinner will be on our own.
   d. US Domestic Scan Program, NCHRP 20-68A
      i. CV PFS team had discussions and decided to submit a proposal (two pages) for CY 2016 due on October 15th.
      ii. Rick McDonough will take the lead on this effort.

2. PFS DMA Phase II
   a. A conference call was held on Thursday, September 24th.
   b. Work being conducted based on the following revised schedule:
      i. Arizona (University of Arizona)
         1. Detailed system design – completed
         2. Final report – draft on October 2nd (originally on September 1st)
         3. Final presentation – December 2nd at the meeting in Phoenix
         4. Demonstration – December 2nd at the meeting in Phoenix
      ii. California (PATH)
         1. Detailed system design – draft on October 1st
         2. Final report – draft on November 20th
         3. Final presentation – December 2nd at the meeting in Phoenix
         4. Demonstration – November 17th in California

3. Round#3 Projects
   a. 5.9GHz Dedicated Short Range Communication Vehicle Based Road and Weather Condition Application – completed
i. A final document binder was submitted and approved.
ii. Synesis has sent hardware/software to NYS DOT.
iii. Kyle will join the 12/2 meeting and provide a final presentation focusing on how the accomplishments from the weather project can be used for CV PFS.

4. **Round#4 Projects**
   a. Surveying/Mapping for CV Applications ($150,000 / 12 months)
      i. A monthly call was held on Thursday, September 17.
      ii. A report for Task 1 (Mapping Methodology Assessment) is being finalized.
      iii. Task 2 Mobile Mapping System Enhancement, Task 3 Mapping Representation, Task 4 Map Representation Updating, and Task 5 Feature Extraction Methods are being conducted in parallel.

**Project Status**
The project is on schedule.

**Invoice Notes**
None