

## 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  
August 2015

#### Project Activities/Progress

##### 1. Pooled Fund Study Overall

- a. A monthly call was held on Friday, August 28<sup>th</sup> 1:00PM EDT.
- b. Discussion of Phase III Project Ideas continued
  - i. Basic Infrastructure Message (#1, #3, and #3-1)
  - ii. Cybersecurity (#4)
  - iii. Integrating the SCMS into V2I Applications (#4-1)
    1. An existing CAMP SCMS project being funded \$20M by NHTSA/US DOT
    2. CV PFS (or AASHTO CV WG) needs to get involved actively, preferably through funding from US DOT
    3. We will need to reach out to US DOT (Carl Anderson?).
- 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 are being prepared – meeting place, hotel, meal, etc.

##### 2. PFS DMA Phase II

- a. A conference call was held on Thursday, 8/20 to discuss the items/schedule needed to finish up the project. A revised schedule was prepared as below:
  - i. Arizona (University of Arizona)
    1. Detailed system design – completed
    2. Final report – draft 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
      - a. This demonstration is for a small group of core personnel (Gene McHale, Govind Vadakpat, Greg Larson, and Hyungjun Park) mainly to check the actual status in the field.

### **3. Round#3 Projects**

- a. 5.9GHz Dedicated Short Range Communication Vehicle Based Road and Weather Condition Application
  - i. A draft final report was submitted and PFS comments were sent back to Synesis.
  - ii. Synesis will complete the project by August 31st: submitting a final binder of all task reports to Hyungjun Park and delivering hardware/software to NYS DOT.

### **4. Round#4 Projects**

- a. Surveying/Mapping for CV Applications (\$150,000 / 12 months)
  - i. A monthly call was held on Thursday, August 20<sup>th</sup>.
  - ii. A draft report for Task 1 (Mapping Methodology Assessment) was received and PFS comments were sent back last week.
  - iii. Task 2 Mobile Mapping System Enhancement is being conducted and will continue throughout the project period, in conjunction with other remaining tasks.

#### **Project Status**

The project is on schedule.

#### **Invoice Notes**

None