

## **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 25<sup>th</sup> 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 15<sup>th</sup>.
  - ii. Rick McDonough will take the lead on this effort.

##### **2. PFS DMA Phase II**

- a. A conference call was held on Thursday, September 24<sup>th</sup>.
- 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 2<sup>nd</sup> (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