

## IntelliDrive<sup>SM</sup> Pooled Fund Study

### Program to Support the Development and Deployment of Infrastructure IntelliDrive<sup>SM</sup> Applications

University of Virginia Center for Transportation Studies

Progress Report  
March 2010

#### Project Activities/Progress

##### Project Management

###### 1. *Kick-off Conference Calls Held*

- Kick-off conference calls with the selected research teams for the Year 1 applications were held as following:
  - Pavement Maintenance Support Application (PMSA) with Auburn University on Monday, March 8 3:00-4:00PM
  - Signal Phase and Timing (SPAT) Data Application with the University of California PATH on Monday, March 15 1:00-2:00PM
- At these conference calls, the pooled fund study management team emphasized the overall program goals and discussed the project plans and deliverable schedule with the contractors.

###### 2. *IntelliDrive Pooled Fund Study Website Launched*

- A website for the pooled fund study was prepared and launched at <http://cts.virginia.edu/IntelliDrive.html>.
- This website will be used to post relevant documents on the pooled fund study such as project plans, interim deliverables, and so on. Also posted will include important notes and meeting announcements.

###### 3. *Face-to-Face Meeting Schedule Finalized*

- It was determined to hold a face-to-face meeting between the pooled fund study members and the selected contractors in conjunction with the ITS America meeting in Houston, Texas. The meeting will be on Wednesday, May 5<sup>th</sup> 1:00-5:00PM.

##### IntelliDrive<sup>SM</sup> Traffic Signal Algorithms

###### 1. *Continued Literature Review*

- Of the four algorithms under consideration, the literature review activity for March focused primarily on network optimization and flexible lane markings.

- The remaining two algorithms completed a tentative literature review this month, and have moved forward into coding in VISSIM. They continue to review the literature as issues arise.

## 2. *Algorithm coding in VISSIM network*

- Two of the four algorithms have begun actively coding in C# using VISSIM COM. Both the saturation algorithm and the platoon formation algorithm are currently using a theoretical one-way network with multiple intersections, with plans to move towards the Northern Virginia Route 50 model later.

## **Project Status**

The project is on schedule. Arrangements for the face-to-face meeting on May 5<sup>th</sup> will be made in April. Further literature review and actual algorithm coding continues in April.

## **Invoice Notes**

None