

## **CTB Innovation and Technology Subcommittee Meeting**

Meeting Minutes  
General Francis Marion Hotel  
107 E Main Street  
Marion, VA 24354

May 15, 2018, 10:00 AM

### **CTB Members Present:**

Secretary Shannon Valentine  
Hap Connors, Jr.  
Mary H. Hynes  
Scott Kasprowicz  
Stephen A. Johnsen

Mr. Connors called the meeting to order at 10:00 AM. The minutes from the April meeting were recently distributed and will be considered for approval at the next subcommittee meeting.

### **Agenda Items**

#### 1. Hackathon Update

Ms. Virginia Lingham provided an update on Hackathon activities. The most recent event was held April 27 through April 28 at Virginia Beach. Approximately 70 people attended. The audience consisted of an even mix of students and representatives from startup technology firms. Ms. Lingham discussed agenda and activities at an event. She shared some of the team submissions including but not limited to:

- i. Pavement and scheduling tools,
- ii. Safety tools to minimize distracted driving
- iii. Signal phase & timing

Upcoming hackathons are planned in Danville, Northern Virginia, Roanoke, and Richmond.

Secretary Valentine asked to align upcoming events with the CTB schedule. It was also suggested to host future events with Community or local colleges. Mr. Connors suggested coordination with the Department of Education.

#### 2. Update FHWA STOL 1 to 26 CAV Bundled Applications on Managed Lane

In June, a connected automated vehicle event is planned for the I-95 Express lanes in Northern Virginia. The event concerns testing of a connected cooperative cruise control system. Vehicles will travel on this corridor in a platoon-like environment.

The FHWA is leading in coordination with the Northern Region and VTRC. An update will be provided in July.

### 3. Fiber Resource Study

Ms. Felishia Ballou provided a presentation on the ongoing Fiber Resource study. Phase 1 of the study, Needs and Assessment, will be completed in June 2018. Phase 2 concerns a more detailed analysis. The anticipated cost of Phase 2 is over \$750K.

Secretary Valentine requested that a map of the broadband locations be provided.

Ms. Mary Hynes noted that the cost of installing conduits for fiber resources on road projects is insignificant. It was suggested to install the conduits for more road construction projects. Deputy Commissioner Cary asked if the Board wanted to develop a policy for conduit installation. Deputy Secretary Elliot suggested that the CTB develop a criterion to include conduit on road projects. Deputy Secretary Elliot stated that a CTB policy would institutionalize this idea for more than one administration. Secretary Valentine recommended a review of the legal strategies prior developing a policy.

Mr. Scott Kasprovicz stated that the end mile connections to the fiber network are critical. Emphasis cannot be made to only middle or long run fiber extensions. Ms. Ballou stated that the report will include references to these opportunities.

### 4. Innovation and Technology DRPT

Ms. Jennifer DeBruhl provided an update on the innovation and technology activities at the DRPT. Updates to statewide transit and TDM plans are underway. The updates are considering economic impacts and integrated mobility. Kimley Horn has been hired to replace the former ITS plan. There will be a focus on reviewing new technologies.

DRPT is developing programs to vet technologies for transit provider's use. Emerging technologies and programs include:

- i. Shared Mobility programs
- ii. Micro transit
- iii. Automated and connected vehicles such as automated shuttles
- iv. Driver assistance pilots

### 5. Innovation and Technology Transportation Fund (ITTF)

Mr. Kenneth Earnest and Mr. Paul Szatkowski provided a presentation about the ITTF funding. The presentation displayed the anticipated budgets for FY18 through FY23, the ongoing project activities and potential future project areas. Secretary Valentine noted the uneven funding levels for the immediate fiscal years. Mr. Szatkowski stated that the original ITTF project list was developed using the Transportation Technology Plan. This plan was created in response to 2014 House Joint Resolution 122. The Transportation Technology Plan identified technology projects per the needs identified in VTrans planning documents. The Transportation Technology Plan also included a prioritization method. Deputy Commissioner Cary noted that Virginia is one of the few states that have dedicated funding source for innovation and technology. Mr. Connors recommended coordinating with the Center for Innovation Technology regarding the methodology to evaluate future ITTF needs. The management of the ITTF funding has been assigned to the Director of the Office of Intermodal Planning and Investment.

#### 6. Public Comments

No requests to provide public comments were received.

Mr. Connors adjourned the meeting at 11:25 AM.