U.S. Department of Transportation
Intelligent Transportation Systems Program Advisory Committee

Summary of Proceedings
ITS Program Advisory Committee Meeting
March 31, 2016

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1. **General**

   a. The Intelligent Transportation Systems (ITS) Program Advisory Committee (ITSPAC) met March 31, 2016 at the Crystal Gateway Marriott Hotel, Arlington, Virginia 22202.

   b. This document provides a summary of the meeting proceedings. The meeting transcript and other meeting documents are available in the March 31, 2016 section of the ITSPAC website at http://www.its.dot.gov/itspac/index.htm.

2. **Meeting Attendance**

   a. Committee members

   Mr. Steve Albert, Director, Western Transportation Institute
   Mr. Scott Belcher, CEO, Telecommunications Industry Association
   Mr. Roger Berg, Vice President, North America R&D, DENSO International America, Inc.
   Mr. Joseph Calabrese, CEO, Greater Cleveland Regional Transit Authority
   Mr. John Capp, Director, Electric and Control Systems Research and Active Safety Strategic Lead, General Motors Corporation
   Mr. Bob Denaro, Consultant, Intelligent Transportation
   Ms. Ginger Goodin, Director, Policy Research Center, Texas A&M Transportation Institute
   Ms. Debra Johnson, Deputy Chief Executive Officer, Long Beach Transit
   Mr. Peter Kissinger, President and CEO, AAA Foundation for Traffic Safety
   Mr. Scott McCormick, President, Connected Vehicle Trade Association
   Mr. Joe McKinney, Executive Director, National Association of Development Associations
   Mr. Bryan Schromsky, Director of Technology, Verizon Wireless
   Mr. Kirk Steudle, Director, Michigan Department of Transportation
   Mr. George Webb, County Engineer, Palm Beach County, Florida
   Ms. Sheryl Wilkerson, Vice President, Federal Government Affairs, Michelin North America

   b. U.S. Department of Transportation

   Mr. Nat Beuse, National Highway Traffic Safety Administration
   Mr. Brian Cronin, ITS Joint Program Office
   Mr. Walt Fehr, ITS Joint Program Office
   Mr. Stephen Glasscock, Designated Federal Officer, ITS Joint Program Office
   Ms. Ariel Gold, ITS Joint Program Office
   Ms. Kate Hartman, ITS Joint Program Office
   Mr. Hanjoon Kwon, ITS Joint Program Office
   Mr. Ken Leonard, Director, ITS Joint Program Office
   Mr. Egan Smith, Managing Director, ITS Joint Program Office
   Ms. Elina Zlotchenko, ITS Joint Program Office

c. Others

Mr. David Coleman, TransUnion
Mr. Jason Gallagher, Lewis-Burke Associates, LLC
Mr. Brian Hoeft, Regional Transportation Commission of Southern Nevada
Mr. Jonathan McDonald, TransUnion
Mr. Mark McElroy, TransUnion
Mr. Al Stern, Citizant, Inc.
Mr. Craig Updike, Federal Emergency Management Administration
Mr. Carlos R. Vélez, Jr., Citizant, Inc.
Mr. Craig Wayne, Federal Emergency Management Administration

3. Meeting Action Items

a. Ms. Wilkerson and Mr. Glasscock will collaborate on developing a poll to send to committee members by the end of April to solicit preferences on a date in July or early August for a face-to-face meeting in the Washington, DC area.

b. Ms. Wilkerson and Mr. Glasscock will collaborate on developing a poll to send committee members by the end of April to solicit input on prioritization of the proposed advice memorandum topics already discussed, recommendations on any new topics, and interest in leading the development of the topics.

c. Meeting Agenda

a. Welcome Remarks

b. Opening Remarks

c. Connected Vehicle Pilots Update

d. NHTSA Update

e. Future Meeting Schedule and Location

f. Proposed 2016 Advice Memorandum Topics

g. FAST Act/2016 ITS JPO Budget

h. Smart City Challenge

i. Proposed 2016 Advice Memorandum Topics (continued)

j. Distracted Driving Discussion

k. Discussion of Action Items and Next Meeting

5. Summary of Proceedings

   a. Welcome Remarks

      (1) Mr. Glasscock, Committee Designated Federal Officer, welcomed committee members, reviewed meeting "housekeeping" rules, and asked the following new members of the ITS JPO staff to introduce themselves: Mr. Egan Smith, Managing Director; Ms. Elina Zlotchenko, ITS Professional Capacity Building Program Manager; and Ms. Ariel Gold, Data Program Manager.

      (2) Mr. Leonard, ITS Joint Program Office Director, announced that Mr. Brian Cronin, ITS JPO Research and Demonstration Team Leader, had been promoted into the Senior Executive Service and would soon be assuming new responsibilities as FHWA Director of Operations Research and Development.

   b. Opening Remarks

      (1) Ms. Wilkerson, Committee Chairperson, welcomed participants and thanked the ITS JPO for its support and committee members for taking time from their busy schedules to serve on the committee.

      (2) Ms. Wilkerson stated that she would share results of the meeting with the following committee members who had been unable to attend: Ms. Tina Quigley, Mr. Raj Rajkumar, and Ms. Susan Shaheen.

      (3) Ms. Wilkerson introduced Ms. Kate Hartman for the Connected Vehicle Pilots update.

   c. Connected Vehicle (CV) Pilot Update

Ms. Hartman presented an overview of the CV Pilot Deployment Program. Her presentation focused on the following topics:

      (1) CV Pilot Deployment Program goals and schedule;

      (2) a brief description of the Pilot deployment sites that were selected in September 2015: ICF/Wyoming, New York City, and Tampa-Hillsborough Expressway Authority;

      (3) an overview of the CV applications proposed for deployment by each Pilot deployment site;

      (4) an overview of the Program concept development activities and public events timeline; and

(5) a review of the objectives and approach of each of the Pilot sites, including the applications being deployed.

d. NHTSA Update

(1) Mr. Beuse provided an update of NHTSA rulemaking activities on vehicle-to-vehicle (V2V) communications technology, vehicle automation, and vehicle cybersecurity.

(2) The V2V proposed rule requiring V2V equipment on new light vehicles is at the Office of Management and Budget (OMB) and is close to the mid-April end of the 90-day review. The rule has generated many discussions between OMB and U.S. DOT and also with outside stakeholders. NHTSA has also been working with the Federal Communications Commission and the National Telecommunications and Information Administration on the 5.9 GHz spectrum issue, particularly on the sharing aspects and developing a test plan to ensure that there is no harmful interference with V2V signals should a device be developed that can actually share the spectrum. NHTSA is still engaged on rulemaking for heavy vehicles, but not publicly so as not to complicate the light vehicle rulemaking

(3) Since May 2015, NHTSA has been involved in a number of efforts on vehicle automation. One effort is the continued updating of its research program to ensure that NHTSA is looking at operational characteristics, testing, etc. NHTSA has also begun to review its automation regulatory framework. The Secretary directed NHTSA to identify impediments to vehicle automation, so NHTSA commissioned a Volpe study, with ITS JPO assistance, look at the regulations that are on the books now that might be impediments to vehicle automation.

(4) NHTSA is becoming more active in the cybersecurity area. For example, in January NHTSA convened a meeting of the "who's who of hackers," as well as the "who's who of government agencies" that are in the cybersecurity "space." One of the important outcomes of the meeting was that there are a basic set of cybersecurity guidelines or best practices that NHTSA could provide automakers, so NHTSA is working on that now. The auto industry is working on its own set of guidelines, so the expectation is that the combined government and private industry efforts will lead to the adoption and continued refinement of effective best practices to counter the cybersecurity threat.

e. Future Meeting Schedule and Location

(1) Ms. Wilkerson briefly reviewed the process the committee followed in developing its 2015 advice to the Secretary, and requested that Mr. Glasscock review the future advice memorandum and the Report to Congress timeline.

(2) Mr. Glasscock informed the group that the U.S. DOT 2016 report to Congress on the committee's 2015 advice memorandum had been submitted and was on its way to the Congress, adding that the current transportation authorization legislation, Fixing

America's Surface Transportation (FAST) Act, had revised the report's due date from February 1, 2016 to May 1, 2016. Mr. Glasscock emphasized that the ongoing committee membership renewal process should not impact the committee's schedule for developing its next advice memorandum.

(3) Ms. Wilkerson facilitated a discussion of proposed future meeting dates, format (face-to-face versus teleconference), and location. Members reached consensus on holding a face-to-face meeting in mid-July or early August 2016 in Arlington/Washington, DC. Ms. Wilkerson stated that committee members would be polled to solicit their meeting date preferences.

f. Proposed 2016 Advice Memorandum Topics

(1) Ms. Wilkerson reminded committee members that in developing its 2015 advice memorandum the committee initially compiled a list of nine proposed topics. Each committee member then selected and prioritized, in order of interest, his/her preferred four topics and designated top two preferences for subcommittee service. Based on this input, five topics were selected and five subcommittees formed to develop the recommendations that were included in the advice memorandum.

(2) During the 2015 discussions, the following topics were identified for potential inclusion in the 2016 advice memorandum:

   (a) automation;

   (b) scenario planning;

   (c) traffic safety culture; and

   (d) vehicle hacking or cybersecurity

(3) During the succeeding discussion, the committee identified the following additional four topics for consideration in developing its 2016 advice memorandum:

   (a) reaffirmation of ITS Program accomplishments;

   (b) interrelationship between connected and automated vehicles;

   (c) technology and active transportation; and

   (d) rural deployment assistance.

(4) Discussion of proposed topics was scheduled to resume after the lunch break. However, Ms. Wilkerson recommended that the afternoon agenda be modified to allow Messrs. Leonard and Cronin to make their FAST Act and Smart City Challenge presentations, respectively, following the lunch break, with the discussion of

proposed 2016 advice memorandum topics resuming at 2:15 p.m. She suggested that the FAST Act and Smart City Challenge presentations and ensuing discussions might help committee members identify additional topics and/or eliminate some already under consideration. There was consensus to modify the agenda accordingly.

g. FAST Act/2016 ITS JPO Budget

(1) Following the lunch break, Ms. Wilkerson turned the meeting over to Mr. Leonard for an overview of the FAST Act, ITS Program major 2015 accomplishments, and ITS Program 2016 research activities and constraints.

(2) Mr. Leonard's presentation included the following major topics:

(a) FAST Act general information;

(b) FAST Act ITS JPO – specific information;

(c) ITS Strategic Plan 2015 – 2019 strategic and program categories;

(d) ITS Program 2015 accomplishments;

(e) deployment grants programs;

(f) 2016 research activities; and

(g) ITS Program budget constraints.

h. Smart City Challenge

(1) Mr. Cronin reviewed the following major milestones of the Smart City Challenge schedule:

(a) The solicitation was released December 7, 2015, with a February 7, 2016 proposal deadline.

(b) Seven Smart City Finalists were announced March 12, 2016.

(c) The second notice of funding opportunity was issued with a May 24, 2016 application deadline -- winner is to be announced by the end of June 2016.

(2) Mr. Cronin discussed the following key aspects of the Smart City Challenge process to date:

(a) USDOT's 12 vision elements for a smart city;

(b) summary of vision-related challenges identified by the Challenge finalists;

(c) description of Smart City Challenge partner involvement; and

(d) schedule of finalist technical assistance opportunities.

i. Proposed 2016 Advice Memorandum Topics (continued)

(1) Ms. Wilkerson reviewed the following topics that the committee had already identified:

(a) Automation;

(b) scenario planning;

(c) traffic safety culture;

(d) vehicle hacking or cybersecurity;

(e) reaffirmation of ITS Program accomplishments;

(f) interrelationship between connected and automated vehicles;

(g) technology and active transportation; and

(h) rural deployment assistance.

(2) The committee continued to discuss and better define the proposed advice memorandum topics. In closing the discussion, Ms. Wilkerson identified the following action items:

(a) Committee members will be polled for recommended dates of a face-to-face meeting in July or August in the Washington, DC area.

(b) Ms. Wilkerson will work with Mr. Glasscock to formulate a draft list of recommended topics and appropriate subtopics and poll committee members to solicit their prioritization of the topics and interest in leading their development. The poll will accommodate add-on topics.

j. Distracted Driving Discussion

(1) Mr. McCormick introduced Mr. McElroy for a presentation on distracted driving. Following are some highlights of Mr. McElroy presentation:

(a) There are 7 billion people in the world and 6.8 billion cell phones.

(b) Americans, on average, check their phones about once every ten minutes – during peak times, about once every six second, or about 110 times per day.

(c) People, especially teenagers, are "trained" to respond to the sound/vibration of their device for "fear of missing out" (FOMO) on something.

(d) Daily, 8 people are killed and 1,161 people injured due to distracted driving.

(e) Auto crashes are the #1 killer of teenagers 16 through 19 years old in the U.S.

(f) While automobiles are safer than they ever have been, people are not. There was a 14% surge in U.S. traffic deaths in 2014 to 2015 – the largest year-to-year increase in 50 years.

(g) Laws that make texting and driving illegal have been ineffective in reducing distracted driving.

(h) Technology is part of the problem, but combining it with education and legislation, it can be part of the solution.

(i) Cellcontrol™ is a patent-pending distracted driving prevention and driver improvement platform that works through the combination of a device in the vehicle and an application on the phone or other mobile device to be protected.

(j) Cellcontrol™ and TransUnion (a company that provides information management services) studies have demonstrated that "Phone usage essentially drops to zero once Cellcontrol™ is implemented."

(2) Mr. McElroy reviewed the requirements for Cellcontrol™ adoption and concluded by requesting that the ITSPAC consider recommending that the ITS Joint Program Office or other relevant U.S. DOT administration study the solutions available to effectively eliminate the use of mobile devices while driving a vehicle in the U.S., and measure such solutions in conjunction with new driver rules.

k. Discussion of Action Items and Next Meeting

Ms. Wilkerson reviewed the following actions items:

(1) Ms. Wilkerson and Mr. Glasscock will collaborate on developing a poll to send committee members by the end of April to solicit preferences for a date in July or early August for a face-to-face meeting in the Washington, DC area.

(2) Ms. Wilkerson and Mr. Glasscock will collaborate on developing a poll to send committee members by the end of April to solicit input on prioritization of the proposed advice memorandum topics already discussed, recommendations on any new topics, and interest in leading the development of the topics.

6. Adjourn

Chairperson Wilkerson thanked committee members for their participation and adjourned the meeting at 3:52 pm.

We certify, to the best of our knowledge, that the foregoing summary of proceedings is accurate and complete.

Ken Leonard
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Office of the Assistant Secretary for
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U.S. Department of Transportation

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