



Summary of Proceedings of  
ITS Program Advisory Committee Meeting  
February 4 – 5, 2015

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## 1. General

- a. The Intelligent Transportation Systems (ITS) Program Advisory Committee (ITSPAC) met February 4 – 5, 2015 at the Crystal Gateway Marriott Hotel, Arlington, Virginia 22202.
- b. This document provides a summary of the meeting proceedings. More details on the proceedings, including copies of presentation slides and a transcription of the meeting discussions are available in the February 4 – 5, 2015 section of the ITSPAC website at <http://www.its.dot.gov/itspac/index.htm>.

## 2. Meeting Attendance

- a. Committee members

Mr. Scott Belcher, Chief Executive Office, 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. Debra Johnson, Deputy Chief Executive Officer, Long Beach Transit

Mr. Steve Kenner, Global Director of Automotive Safety, Ford Motor Company, Committee Chairman

Mr. Scott McCormick, President, Connected Vehicle Trade Association

Mr. Joe McKinney, Executive Director, National Association of Development Associations

Ms. Tina Quigley, General Manager, Regional Transportation Commission of Southern Nevada

Mr. Brian Schromsky, Director, Federal Government and Public Safety, 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. Gregory Winfree, Assistant Secretary for Research and Technology

Mr. Ken Leonard, Director, ITS Joint Program Office, Office of the Assistant Secretary for Research Technology

Mr. Nat Beuse, Associate Administrator, Vehicle Safety Research, National Highway Traffic Safety Administration

Mr. Brian Cronin, Acting Director, Office of Transportation Management, Federal Highway Administration

Mr. Walt Fehr, Systems Engineering Program Manager, ITS Joint Program Office, Office of the Assistant Secretary for Research Technology  
Mr. Stephen Glasscock, Program Coordinator, ITS Joint Program Office, Office of the Assistant Secretary for Research Technology, Committee Designated Federal Official  
Mr. Tim Klein, Acting Director, Technology Policy and Outreach, Office of the Assistant Secretary for Research and Technology  
Mr. Bob Kreeb, National Highway Traffic Safety Administration,  
Mr. Jeff Lindley, Associate Administrator, Office of Operations, Federal Highway Administration  
Mr. Shingo Mawatari, Japan Fellow, ITS Joint Program Office, Office of the Assistant Secretary for Research Technology  
Mr. Daniel Morgan, Chief Data Officer, Office of the Chief Information Officer  
Mr. Jeff Onizuk, Acting Managing Director, ITS Joint Program Office, Office of the Assistant Secretary for Research Technology  
Mr. Bob Sheehan, Multimodal, ITS Research and Deployment Program Manager, ITS Joint Program Office, Office of the Assistant Secretary for Research Technology  
Mr. Jeff Spencer, ITS Program Manager, Federal Transit Administration  
Mr. Dale Thompson, Knowledge Transfer and Policy Team Leader, ITS Joint Program Office, Office of the Assistant Secretary for Research Technology  
Mr. Jonathan Walker, Office of Operations, Federal Highway Administration

c. Others

Ms. Sheila Andrews, Auto Care Association  
Ms. Jennifer Carter, ITS America  
Mr. Steve Gehring, General Motors  
Mr. Bill Gouse, SAE International  
Mr. Jack Hall, Contra Costa Transportation Authority  
Mr. Brian Hoeft, Rural Transportation Commission of Southern Nevada  
Mr. Aaron Lowe, Auto Care Association  
Mr. Chris Stanley, Systems Engineer/Analyst, Citizant, Inc.  
Mr. Michael Stelts, Panasonic  
Mr. Carlos R. Vélez, Jr., Project Manager, Citizant, Inc.

**3. Meeting Action Items**

- a. The committee will meet by teleconference on May 13, 2015.
- b. Subcommittees will prepare initial drafts of their reports by July 17, 2015.
- c. The committee will hold its next face-to-face meeting in Washington, DC on August 5, 2015.

#### **4. Meeting Agenda**

##### February 4

- a. Welcome Remarks
- b. Opening Remarks
- c. Future + 10 Year – U.S. DOT Secretary’s 30 Year Framework Presentation
- d. U.S. DOT Data Policy Presentation and Discussion
- e. Multimodal Transportation Presentation and Discussion
- f. Institutional Issues Presentation and Discussion
- g. Subcommittee Organization

##### February 5

- h. Connected Vehicle/National Highway Traffic Safety (NHTSA) Update and Discussion
- i. Subcommittee Meetings
- j. Subcommittee Updates to Committee
- k. Discussion of Action Items and Next Meeting
- l. Remarks by Assistant Secretary Greg Winfree

#### **5. Summary of Proceedings**

##### February 4

- a. Welcome Remarks
  - (1) Stephen Glasscock, Committee Designated Federal Official, welcomed everyone and requested that non-committee members introduce themselves.
  - (2) Ken Leonard, ITS Joint Program Office (JPO) Director, introduced JPO Acting Managing Director, Jeff Onizuk, on detail from the Office of the Assistant Secretary for Research and Technology’s (OST-R) legislative affairs group. He also shared that the President’s budget for 2016 recognizes the positive work that the ITS JPO has been doing by increasing its budget. It still needs to be approved by Congress, but it represents a 68 percent increase over 2015 and the first increase in 20 years.

b. Opening Remarks

- (1) Committee Chairman Steve Kenner provided an overview of the agenda. The first day included presentations requested by the committee on the topics of their interest, with an opportunity to ask questions of the presenters. The goals of the two-day meeting were to identify the committee's topics of focus for advice to the Secretary and committee members' preferences for service on subcommittees.
- (2) Committee Vice Chairman Cheryl Wilkerson encouraged committee members to review the recently-released U.S. DOT Report, *Beyond Traffic: U.S. DOT's 30 Year Framework for the Future* and the "Beyond Traffic: 2045" meeting handout, adding that these resources contain information that will be very useful in committee and subcommittee discussions. Vice Chairman Wilkerson then introduced first time attending members Joe McKinney, Executive Director of the National Association of Development Associations, and Ms. Tina Quigley, General Manager of the Regional Transportation Commission of Southern Nevada.

c. Future + 10 Year – U.S. DOT Secretary's 30 Year Framework Presentation and Discussion

- (1) Tim Klein, Acting Director of Technology Policy and Outreach in the Office of the Assistant Secretary for Research and Technology, provided a summary of the *Beyond Traffic* report mentioned by Vice Chairman Wilkerson: *US DOT's 30 Year Framework for the Future*.
- (2) Mr. Klein emphasized that the report is a draft framework for the future of transportation in the U.S. – it is not a plan or an advisory document. The Secretary has four major goals for the framework:
  - (a) Generate an "intellectual reset" of transportation issues in the context of infrastructure deficit; where trends will take us, if not addressed; and the possibilities of technology impacts.
  - (b) Serve as a common basis of fact to support discussions.
  - (c) Not advocate for specific policy solutions.
  - (d) Underscore critical decision points facing the Nation's transportation system.
- (3) The framework is an invitation for public comments on the following key questions concerning the Nation's transportation system beyond 2045:
  - (a) How will we move?
  - (b) How will we move freight?

- (c) How will we move better?
- (d) How will we adapt?
- (e) How will we align decisions and dollars?
- (4) The public is invited to comment online at <http://www.dot.gov/beyondtraffic>.
- d. U.S. DOT Data Policy Presentation and Discussion
  - (1) Daniel Morgan, Chief Data Officer in the Office of the Chief Information Officer, presented on *Trends in Open Data*.
  - (2) Highlights of Mr. Morgan’s presentation and the topic discussion are listed below.
    - (a) The U.S. DOT Chief Data Officer is a new position created in response to increases in available data and information, and associated executive orders to share information with the public, create economic opportunities, advance research, and improve America.
    - (b) One of his major goals is to improve information sharing among the different U.S. DOT modes and agencies – research indicates that when you give people a choice, people are more willing to share data.
    - (c) Another of his major goals is to release as much data as possible to advance mobility, while still protecting agency financial and statutory interests.
    - (d) There is a need to separate data from an organization’s customized interface or portal, and make it available.
- e. Multimodal Transportation Presentation and Discussion
  - (1) Jack Hall, the ITS/CV Program Manager for the Contra Costa Transportation Authority, presented on the organization and functions of the Authority and discussed several of the Authority’s major multimodal projects.
  - (2) Mr. Hall also described the GoMentum Station Connected Vehicle and Autonomous Vehicle Program Test Facility, the largest autonomous vehicle testing site in the U.S., which will be unveiled on March 31 in Concord, California.
- f. Institutional Issues Presentation and Discussion
  - (1) Brian Cronin, Acting Director of the Federal Highway Administration’s (FHWA) Office of Transportation Management presented on *Operations and the Connected Vehicle*.

- (2) Mr. Cronin's major points of discussion included:
  - (a) Objectives of the Office of Operations.
  - (b) The Office of Operations' focus on improving operations.
  - (c) Proactive operations of transportation systems.
  - (d) The Office of Operations' major theme/program areas.
  - (e) The Office of Operations' Connected Vehicle activities goal.
  - (f) The purpose of Vehicle-to-Infrastructure (V2I) Guidance/Products-Tools.
  - (g) V2I Guidance/Products-Tools timeline and next steps. Of special note, he stated that the initial V2I guidance document and products-tools will be available in electronic format for download from the Web in mid-summer 2015.
- (3) Walton Fehr, ITS JPO Systems Engineering Program Manager, presented on the *Connected Intelligent Transportation System – Complete View*. He explained that, in contrast to the longer-term goals of the FHWA Connected Vehicle activities described by Mr. Cronin, his (Mr. Fehr's) systems engineering activities are focused on a much shorter time frame designed to support Connected Vehicle safety pilots and early deployment in the 2015 – 2016 timeframe. Mr. Fehr summarized the elements of the U.S. DOT concept overview for providing this support, including:
  - (a) Communications security.
  - (b) Data flow and evolution.
  - (c) Multiple communication media.
  - (d) Practical, ready-to-use tools to permit quick project implementation.
- (4) Mr. Fehr also addressed efforts to determine how to best bring available communications resources together to support Connected Vehicle pilots and deployment. Additionally, he discussed the development of the Connected Vehicle Reference Implementation Architecture and related tools to help projects implement their own architectures. Finally, Mr. Fehr described how Connected Vehicle affiliated test beds (currently 62 in number) have contributed to moving the technology toward full deployment.

g. Subcommittee Organization

- (1) Following discussion of potential major topics for the committee's advice to the Secretary, the committee reached consensus on the following six topics:

- (a) Data.
  - (b) Funding/Public-Private Partnerships.
  - (c) Scenario Planning.
  - (d) Public Transportation.
  - (e) Shared-use.
  - (f) Freight/intermodal.
- (2) Chairman Kenner requested that committee members rank the top four or five topics in order of their interest, and which one or two committees they would want to serve on for discussion on February 5.

#### February 5

#### h. Connected Vehicle/NHTSA Update and Discussion

- (1) Nat Beuse, NHTSA Associate Administrator for Vehicle Safety Research, summarized major NHTSA Vehicle-to-Vehicle light vehicle activities.
- (a) An Advanced Notice of Proposed Rulemaking (ANPRM) was released in 2014. The ANPRM resulted in about 1,000 responses from the public, most of them related to privacy. NHTSA is moving forward with preparations for release the Notice of Proposed Rulemaking in 2016.
  - (b) NHTSA followed the ANPRM with a request for information from entities interested in becoming the security credential manager. NHTSA is in the process of reviewing 13 responses and will follow up with a request for proposal, but the timing is undetermined. Mr. Beuse also discussed ongoing work on addressing research gaps, particularly in the detection of “misbehaving” devices. NHTSA also is addressing the requirements for underlying standards, test procedure development, and DSRC radio performance criteria.
- (2) With respect to heavy vehicles, Mr. Buese stated that NHTSA is making progress, albeit at a slower pace than desired. Mr. Buese then discussed the challenges posed by articulation and single-unit trucks. Nevertheless, NHTSA is still on target to make a decision on heavy vehicles in 2015.

#### i. Subcommittee Meetings

- (1) Vice Chairman Wilkerson led a review and discussion of committee members’ rankings of their top four study topics of interest and their top two preferences for



subcommittee service. The resulting rankings, including subcommittee membership, are at the enclosure. Rankings from some members not present was received in response to an email from Vice Chairman Wilkerson. Rankings are still pending from Steve Albert and Peter Kissinger.

(2) Following additional general discussion, committee members agreed to the following milestones for 2015:

(a) May 13: meeting by teleconference

(b) July 17: subcommittees submit first drafts of topic reports

(c) August 5: in-person meeting

(3) The newly-organized subcommittees went into breakout sessions to begin developing their action plans.

j. Subcommittee Updates to Committee

(1) Chairman Kenner requested that subcommittee chairmen summarize the results of their subcommittee breakout discussions, with focus on:

(a) A summary of the areas that the subcommittee would like to investigate further.

(b) How subcommittee members will communicate with one another.

(c) Any requirements for additional information or support.

(2) As requested, subcommittee chairmen summarized their breakout session discussions to the committee of the whole.

k. Discussion of Action Items and Next Meeting

(1) Chairman Kenner welcomed Assistant Secretary Greg Winfree to the meeting, and informed him that the committee had established the following future milestones:

(a) The committee will meet by teleconference on May 13.

(b) Subcommittees will prepare initial drafts of their reports by July 17.

(c) The committee will hold its next face-to-face meeting in Washington, DC on August 5.

l. Remarks by Assistant Secretary Greg Winfree. At Chairman Kenner's invitation, Assistant Secretary Winfree made the following major points:

- (1) U.S. DOT is extraordinarily pleased that the committee members have volunteered to take time out of their busy schedule to help move the ITS Program forward.
- (2) Even though there are five subcommittees, they all really focus on scenario planning because everything they do from this point forward, whether it is data, funding, public transport or shared use, will require coordination with multiple constituencies about their issues, challenges, their thoughts about how this technology moves forward, whether they are excited about it, and whether there are other issues that are preventing them from “getting onboard.”
- (3) We have to be cognizant of the many different areas that the ITS Program must be able to respond to, so having these subcommittees is a great approach.
- (4) At the current juncture of the ITS Program, we have an opportunity to transformatively change transportation.
- (5) Bicyclists and pedestrians are core priorities for Secretary Foxx. We need to really “step up our game” in considering how ITS technology can benefit these vulnerable road users.
- (6) Chairman Kenner thanked Assistant Secretary Winfree for his remarks.

## 6. Adjourn

- a. Chairman Kenner thanked committee members for their commitment to the committee and their participation in the discussions.
- b. There being no additional business to conduct, Chairman Kenner adjourned the meeting at 3:04 pm.

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

Ken Leonard  
Director, Intelligent Transportation Systems Joint  
Program Office  
Office of the Assistant Secretary for Research and  
Technology  
U.S. Department of Transportation

Steve Kenner  
Committee Chairman  
Global Director of Automotive Safety  
Ford Motor Company

Enclosure

**Enclosure – Subcommittee Rankings**

	Data	Funding/ PPP	Scenario Planning	Public Transportation	Shared Use	Freight Intermodal
Scott Belcher	1				2	
Roger Berg	2		1	4	3	2
Joe Calabrese		X	X	1	2	
John Capp	2		1	3		4
Bob Denaro	1		2	X		X
Ginger Goodin*		1	2		4	3
Debra Johnson	4	3		1	2	
Steve Kenner	2	1		4	3	
Scott McCormick	2	4	1	3		
Joe McKinney		1		X	2	X
Tina Quigley				1	2	3
Raj Rajkumar*		1			2	
Bryan Schromsky	1		3	4	2	
Susan Shaheen*			2	3	1	4
Kirk Steudle		1	2	X	X	
George Webb		1	4	2		3
Sheryl Wilkerson		1	2		3	

1 - 4	Descending order of interest
X	Some interest
*	Member not present. Rankings obtained telephonically or by email and are pending members' confirmation.
1	Subcommittee Chair. Ms. Goodin and Ms. Shaheen were not present. Their chairman designations are temporary, pending their confirmation.
	Top 2 personal preferences for subcommittee service
	The committee agreed not to organize a Freight Intermodal subcommittee

Rankings are still pending from Steve Albert and Peter Kissinger.