

V2I Deployment Coalition

Deployment Initiatives Technical Working Group (TWG 1)

June 23, 2016 Webinar

Notes and Summary of Discussions

Welcome / Overview of Webinar Logistics

Bill Legg welcomed the attendees. A list of those in attendance is provided at the end of these notes. This list may not be comprehensive, as attendees may have joined late and were not identified on the webinar. Please contact Dean Deeter at deeter@acconsultants.org to be added to the list.

Recap of the ITS America Annual Meeting Session on V2I DC

Dean Deeter provided a summary of the V2I DC session at ITS America. Joe Averkamp worked with ITS America to organize the session. Joe facilitated the session and opened by giving background information on the Coalition, including the issues identified, the working group structure, and the chairs of each working group. Following Joe's introduction, the TWG Chairs presented the activities of each working group. The session generated a lot of questions and discussion with the panel members. Both Dean and Joe noted that the audience was primarily individuals who are not already participating in the V2I DC, and two individuals expressed interest in joining TWG 1.

Issue #15: Maintaining V2I Infrastructure

Bill Legg reminded members that one key activity that TWG 1 members hope to complete in the coming months is to conduct an information sharing webinar on maintenance costs of V2I equipment. The current goal is to arrange for presentations from the following:

- The University of Michigan Transportation Research Institute (UMTRI) to present on experiences of the Mcity deployments; and
- New York City DOT to share projections of maintenance costs for the Connected Vehicle Pilot Deployment.

Bill noted that if one overall webinar can be arranged, he will propose it as a stand-alone 90 minute webinar, and invite USDOT to speak about the V2I Deployment Guidance documents.

Bill and Dean will update members as the meeting dates are discussed with the invited speakers. The webinar may either be during one of the TWG 1 upcoming monthly webinars or held as a stand-alone webinar on a different date/time.

TWG 1 Deliverables for Phase 1 of the TWG

Dean Deeter led a discussion about the plans for documenting TWG 1 findings to date as part of an overall deliverable being prepared by the V2I DC. As described in the April meeting in Detroit, a series of "issue specific summaries" will be prepared to combine the findings of all the TWGs around common issues. TWG 1 has worked on two issues that are being coordinated across three other TWGs (Issue #1 V2X

Applications and Issue #7 Understanding the Benefits and Costs of V2I Deployments). The table in the PPT (distributed with this meeting summary) describes the actions of the various TWGs. In addition, TWG 1 performed activities on three additional issues that involved less coordination with other TWGs. Activities and plans for documenting findings were shared in the PPT table. Dean will be preparing summaries of these and circulating them to TWG 1 members for comment.

AASHTO STSMO Annual Meeting

Bill and Dean described the upcoming AASHTO Subcommittee on Transportation Systems Management and Operations (STSMO) Annual Meeting to occur August 1-5, 2016 in Denver, Colorado. This STSMO Annual meeting is a joint meeting with the TRB Regional Transportation Systems Management and Operations (RTSMO) Committee and the AASHTO Subcommittee on Highway Transport (SCOHT). Dean highlighted several sessions during the meeting where Connected and Automated Vehicle topics will be discussed. These include:

- Monday (August 1, 2016) 1:00 PM workshop on Cybersecurity and ITS Standards
- Monday (August 1, 2016) 3:00 PM ITS/CV/AV Standards Session
- Tuesday (August 2, 2016) 1:30 PM AV/CV Policy and Operational Issues
 - o Including updates from each V2I DC TWG Chair
- Tuesday (August 2, 2016) 3:15 PM Connected Vehicle Pilot Sites Update
- Wednesday (August 3, 2016) 8:00 CAV and Implications for TSMO (as part of the Joint Plenary Session)
- Wednesday (August 3, 2016) 11:00 The AASHTO CAV WG will meet

Additional information about the STSMO Annual Meeting (including registration details and the agenda) can be found at: <http://stsmo.transportation.org/Pages/2016-STSMO-Annual-Meeting.aspx>

SPaT Concept Discussion

Bill Legg recapped earlier discussions about the Signal Phase and Timing (SPaT) Challenge. The current concept is to encourage the deployment of DSRC infrastructure with SPaT broadcast at a minimum of 20 intersections in each state by the year 2020, and that agencies would commit to operating these SPaT broadcasts for at least ten years. The concept recognizes that additional more complex deployments of V2I DSRC broadcasts are also being considered by DOTs and this would in no way prevent such deployments, but this is one basic entry level deployment that could be done at intersections across the country, and SPaT broadcast would be the minimum goal.

Bill stepped through the “resources” that TWG 1 members had previously discussed as being needed by agencies deciding to participate in the challenge. Bill noted that he does not think these resources will need to be created from scratch, but rather there are existing resources and the actions might be to assemble and review what is available.

Bill invited members to express interest in working on the SPaT tools. Jim Peters volunteered to work on the resources. **Bill asked any others to email him or Dean to express their interest.**

A question was asked about whether we are coordinating with the other TWGs. Bill responded to confirm that we are coordinating with other TWGs. Bill and Dean participate in monthly calls with the other TWG Chairs and liaisons. Bill will update the other TWG chairs and discuss opportunities for coordinating.

Gary Strack mentioned that he will be able to find one or more individuals from within APWA to help with resource #1 (Guidelines for Selecting Corridors).

Bill Legg asked Dean to circulate the draft one-pager describing the SPaT Challenge. Bill asked all members to read through the one-pager and send any comments to Dean or Bill. Also, if there is interest, we could create a small group to edit and refine the one-pager. The hope is to consider the one-pager as final during either the July or August TWG 1 webinar.

Bill noted that the SPaT Challenge will continue to be on the TWG 1 agendas for upcoming meetings. Bill noted that the PPT slides from today's meeting will be sent to members, and asked members to email either himself or Dean Deeter to indicate which of the SPaT Challenge tools they would be interested in and able to volunteer to work on.

V2I DC Website

Dean reminded members of the V2I DC website. The address is:

<http://www.transportationops.org/V2I/V2I-overview>

Visitors to the website can find information about TWG 1 as well as the other TWGs.

Next Webinar Topics

Bill reminded members that the next webinar will be July 28, 2016 from 2:00 – 3:00 PM Eastern. Dean will be sending a meeting invite as the previous set of invites has expired.

TWG 1 June 23, 2016 Webinar Participants

- Bill Legg, Chair
- Brian Watson
- Bob Rupert
- Jim Peters
- Jonathan Martinez
- Joe Averkamp
- Reza Karimvand
- Jonathan Riehl
- James Li
- Kyle Connor
- Gary Strack
- Leiza Moniz
- Ken Yang
- Padmaja Sampat
- Pat Zelinski
- Bob Sheehan
- Daniel Worke
- Bindesh Patel
- Dean Erickson
- Dawn Hardesty
- Saravana Suthanthira
- Jon Obenberger
- Jose Romero
- Dean Deeter