The National Academies of
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TRB
TRANSPORTATION RESEARCH BOARD

National Academies/TRB Forum
PREPARING FOR AUTOMATED VEHICLES AND SHARED MOBILITY
- Conference Call-
Tuesday, November 13, 2018 Noon-2:00 pm (Eastern)

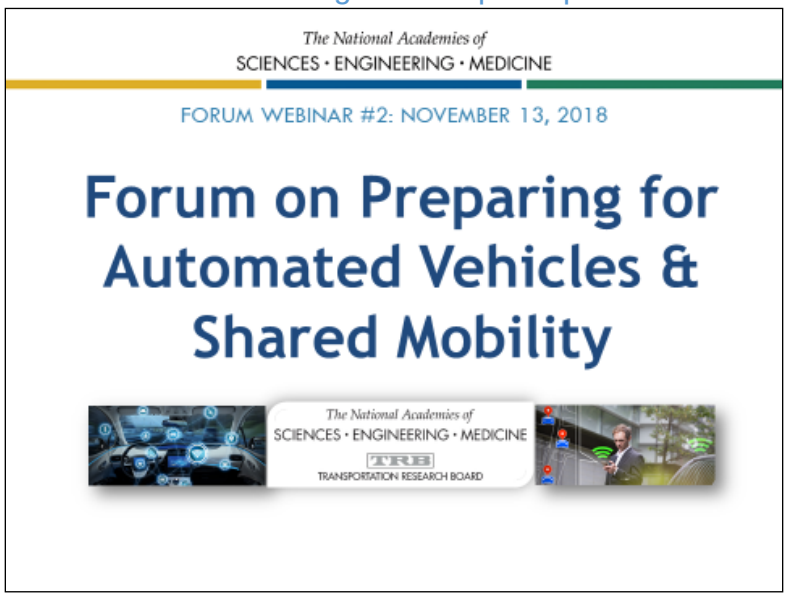
Suggested Script/Action Items for Co-Chair & TRB Staff

I. WELCOME & AGENDA OVERVIEW (Steudle) (12:00-12:10 pm)

Today's agenda consists of two parts: 1) a presentation and discussion on changing consumer preferences and mobility behaviors in the context of a modal revolution, and 2) short updates on the Forum status, activities, and next steps.

- Adrienne will run webinar software, advance slides, and transfer screens (if necessary)
- Katherine will monitor questions entered in the "Questions" box and read these aloud for response by the co-Chairs, presenter(s), or other TRB staff

💻 Show slide 1 as the welcoming slide as participants call in



A. Welcome to Forum Participants (Slide 2; Attachment: 4 pp.)

The roster of Forum participants is attached.

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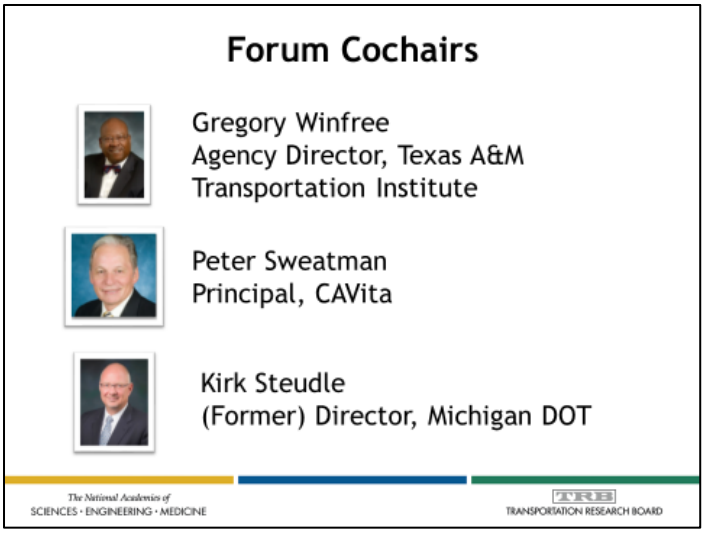

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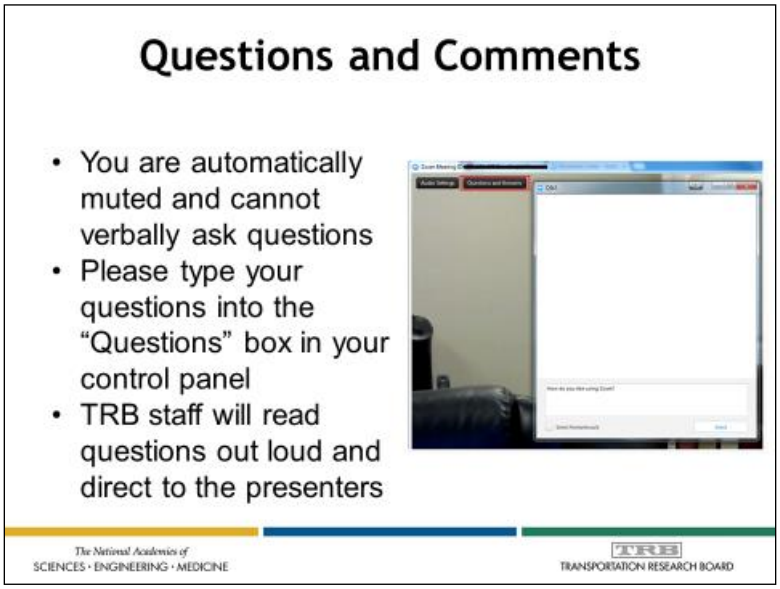

B. Welcome to New Forum Participants

Since our last meeting in July, Waymo has joined as a sponsoring organization of the Forum.

- Mark/Katherine: Check on U.S. DOE as new sponsor
- Mark/Adrienne: Determine organization represented by Matt Daus

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II. FEATURE PRESENTATION: CHANGING CONSUMER PREFERENCES AND MOBILITY BEHAVIORS IN THE CONTEXT OF A MODAL REVOLUTION (12:10-1:00 pm)

This topic has consistently been ranked by Forum participants as one of the most critical research issues impacting the Forum's mission. This agenda item includes a presentation and discussion to deepen understanding of the availability, consumer preferences, and expectations for four revolutionary transportation developments and what they might mean for future mobility behaviors. These transportation developments are: vehicles with connectivity, on-demand ride services, shared mobility, and vehicle automation.

- Patrice coordinate with Johanna. Get slides in advance, or arrange to show her screen.
- Adrienne enable Johanna as a presenter

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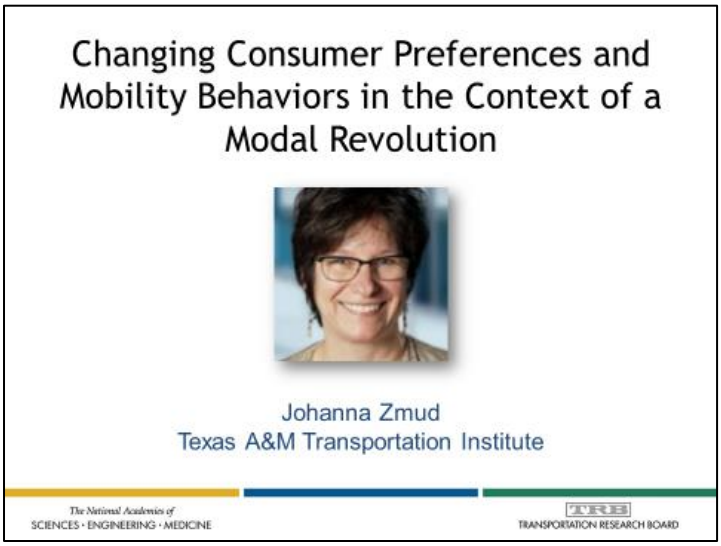

A. Presentation (Zmud) (Attachment)

The research that is the basis for this presentation and discussion was originally prepared by Johanna Zmud of TTI for the August 29, 2018 Emerging Trends Workshop sponsored by the FHWA's Office of Policy and TRB. The paper was provided to Forum participants on September 24th via the Forum e-Group.

- 30 minute presentation, plus Q&A

B. Discussion

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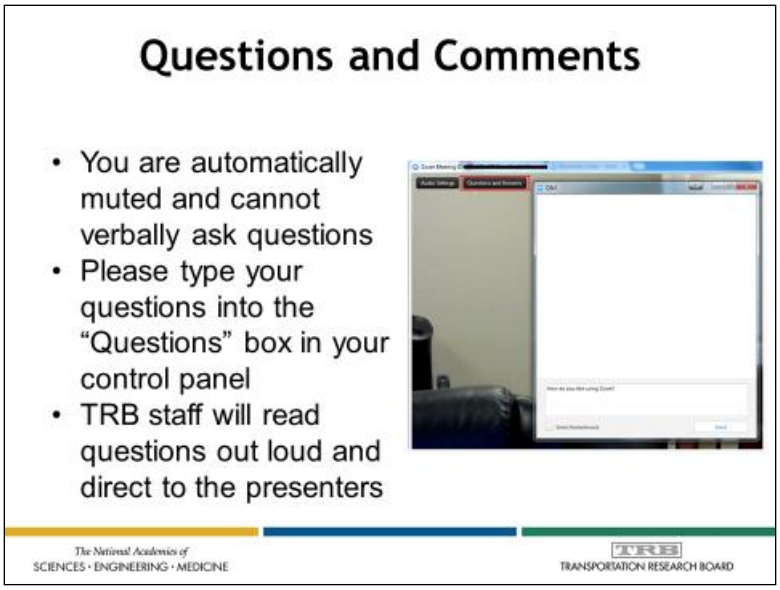

III. FORUM STATUS, ACTIVITIES, & NEXT STEPS (1:00 pm – 1:45 pm)

A. Forum Participants Survey (Norman) (Attachment, 5 pp.)

The responses to the September 2018 survey of Forum participants are attached. The responses are being used to guide the priorities, agendas, and activities of the Forum for the remainder of 2018 and into 2019. These will be discussed in the following agenda items.

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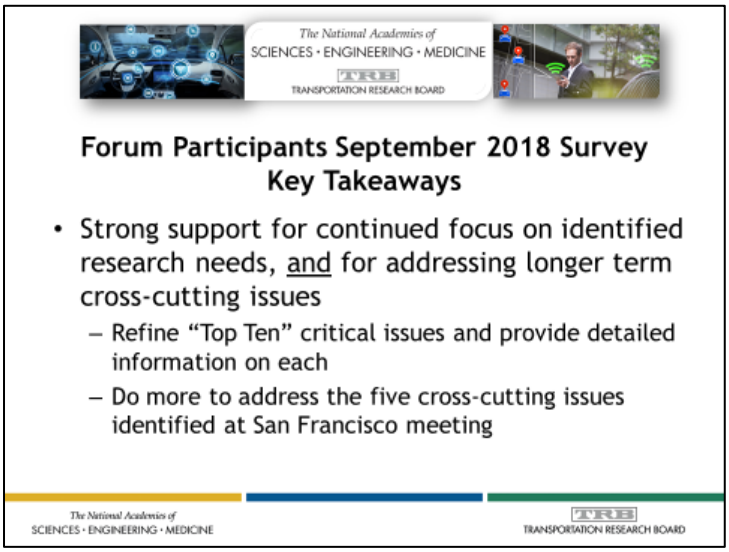

B. Forum Top Ten Critical Issues (Kortum, Attachment)

At its July 2018 meeting, Forum participants ranked their Top Ten critical issues. The attachment summarizes the proposed next steps to share information the information that currently exists for each of these issues, and to encourage needed additional research.

- Katherine provide attachment and summary slides
- Katherine determine who will populate and maintain briefing sheets (UC?)
- Make it clear what the role of the Forum is in addressing these, especially vis-à-vis NCHRP

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C. NCHRP 20-102 Research Roadmap and Projects (Derr) (Attachment New Tasks Announcement 5 pp)

A report on the status of this series of projects, including the project that updates the previous NCHRP research roadmap. Many of the projects now being completed

address research needs identified by the Forum. In addition, funding is being allocated for new projects that will address a number of the Forum's "Top Ten" critical issues. Nominations for individuals to serve on panels for these new projects are due by November 20th.

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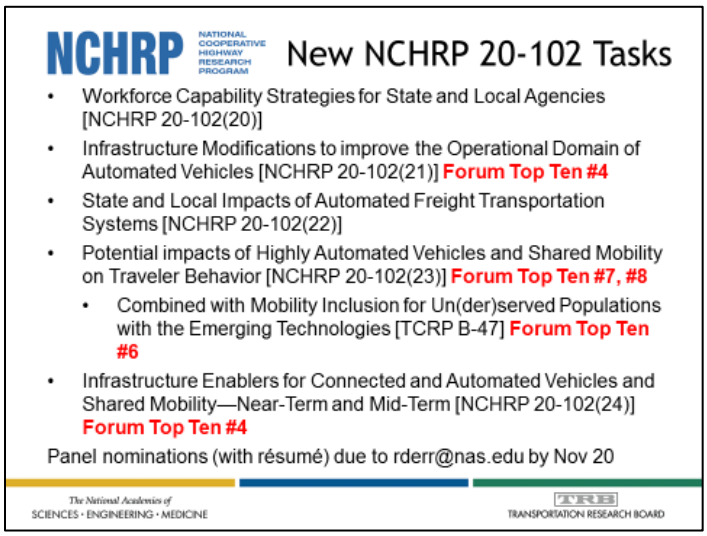

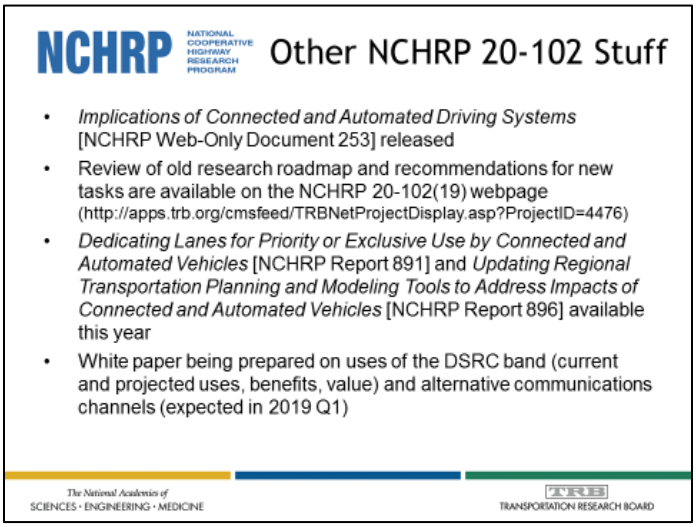

D. Exploring Forum's Strategic Cross-Cutting Issues (Norman) (Attachment)

At its July meeting, Forum participants identified five strategic cross-cutting issues that the Forum should pursue in more detail. Forum working groups are being formed to develop mini-workshops on each of these issues as part of Forum convening activities in 2019. More information is attached.

- Mark confirm with remaining WG lead individuals/organizations; update attachment & summary slides

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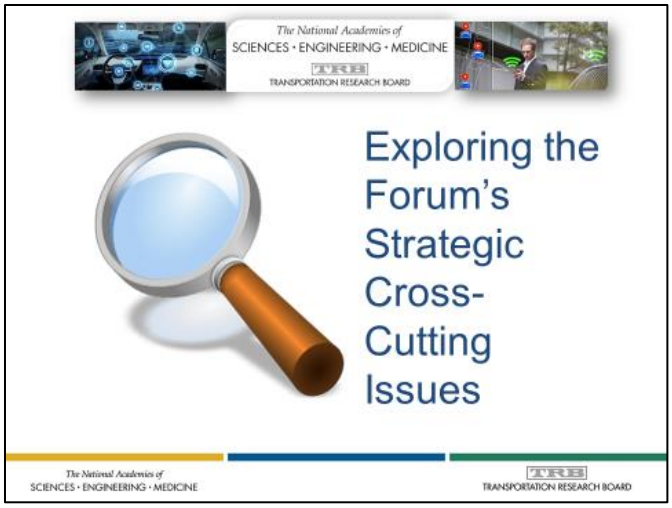

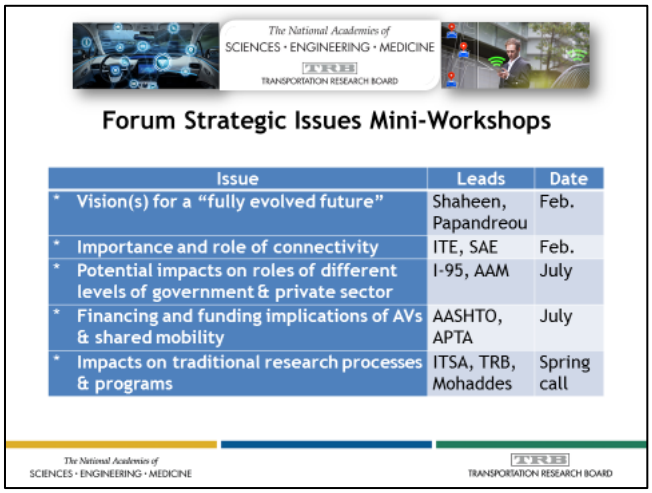

E. 2019 TRB Annual Meeting: Forum Session, Gathering, & Sessions of Interest (Kortum, Cunard) (Attachments)

The 2019 TRB Annual Meeting will be held January 13-17 in Washington, DC. The Forum will sponsor a session on "Automated Vehicles and Shared Mobility-Addressing the BIG Questions" on Wednesday morning. In addition, a gathering of Forum participants will be scheduled for Sunday afternoon. The Annual Meeting program includes scores of workshops and sessions on connected/automated vehicles and shared mobility.

- Katherine & Rich monitor responses from speakers invited for Forum session
- Patrice finalize day/time for Sunday gathering
  - Patrice/Katherine consider some type of F&B or other "hook"
- Rich get AV-SM session topic summary sheet to provide to Forum participants

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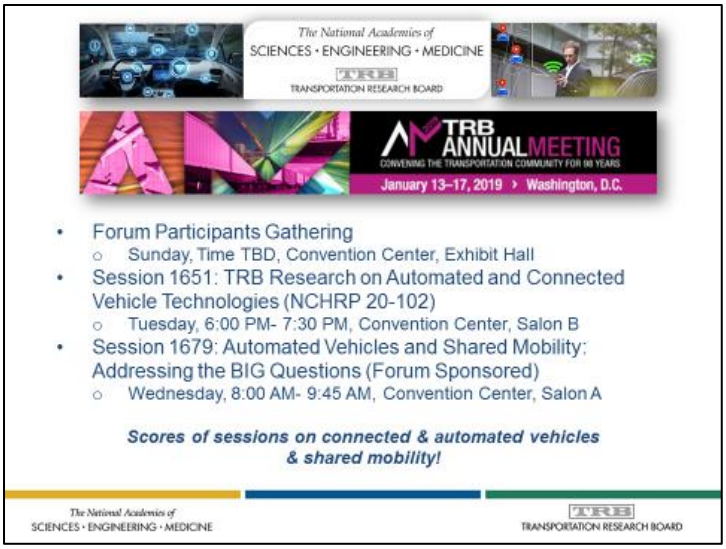

F. Forum White Paper (Steudle) (Attachment, 1 page)

The white paper prepared on behalf of the Forum on Preparing for Automated Vehicles and Shared Mobility is now available as TRB e-Circular 236. Prepared by TRB staff and peer reviewed by Forum members, the e-circular summarizes the deliberations of the TRB forum to facilitate evidence-based research needed to deploy automated vehicle technologies in a manner and timeframe that informs policy to meet long-term goals. The paper has been added to the Forum's Directory of Information Resources, and was also provided via the Forum e-Group online community.

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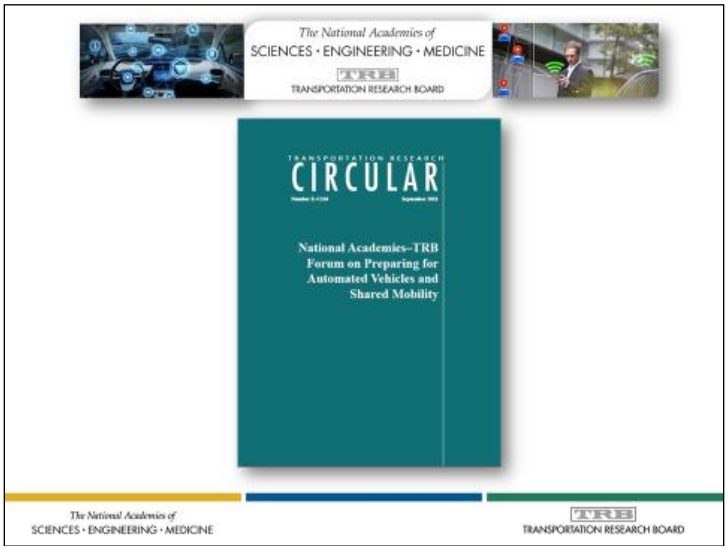

G. Forum Directory of Information Resources (Steudle)

More than a dozen new reports and publications have been added to this directory since the Forum's meeting in July. New items are also being announced via the

Forum's e-Group online community as they become available. The updated directory can be accessed anytime via the Forum's website.

- Mark update slide
    - Add attachment listing newly added resources?

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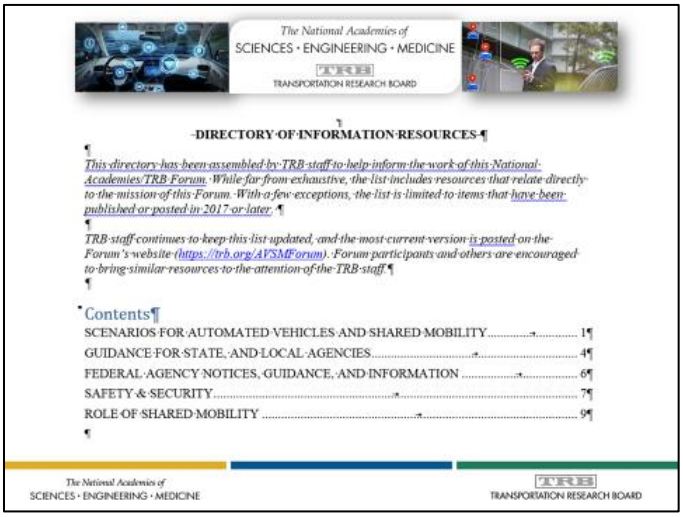

H. Forum e-Group Online Community (Steudle)

New reports and other news of interest are being posted by staff on this online community. Forum participants are encouraged to use this tool to post items, raise issues for discussion, and to otherwise communicate with each other between Forum meetings.

- Mark update slide
- Mark ask Brie about steps Forum participants must take to access

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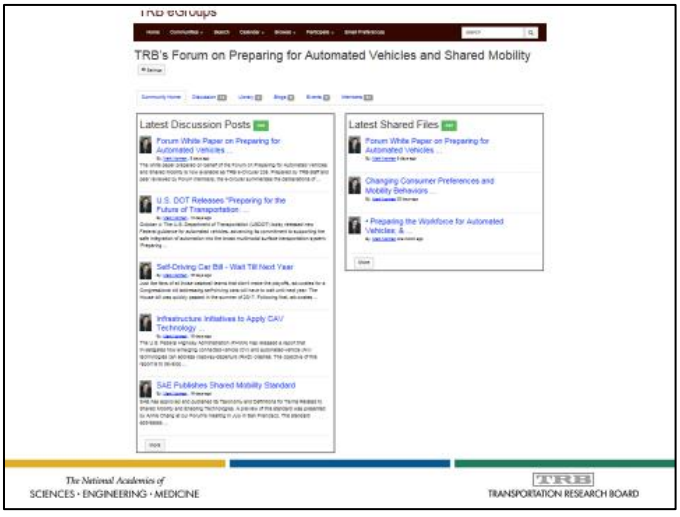

I. Forum Website (Steudle)

Forum participants are reminded that virtually all of the items that we have discussed here can be accessed on the Forum's website (https://trb.org/AVSMForum)

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J. Forum Meeting #3: February 13-14 in Washington, DC (Steudle)

The next face-to-face meeting for the Forum will be conducted on February 13-14, 2019 at the National Academies' Keck Center in Washington, DC.

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IV. OTHER BUSINESS (Steudle)

A. FHWA's Cooperative Automation Research Mobility Applications (CARMA) Platform (Taylor Lochrane or Brian Cronin) Attachment 1 page

- Mark confirm if FHWA will be able to report, & who will present
- Adrienne enable presenter to show speak and/or show slides

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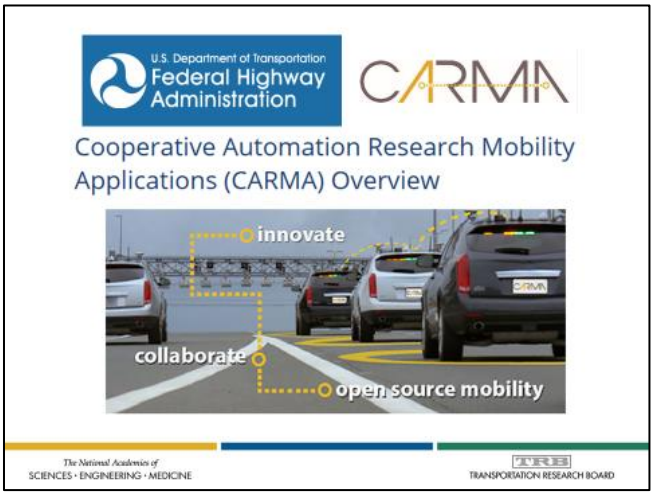

B. Final Comments from Our Co-Chairs

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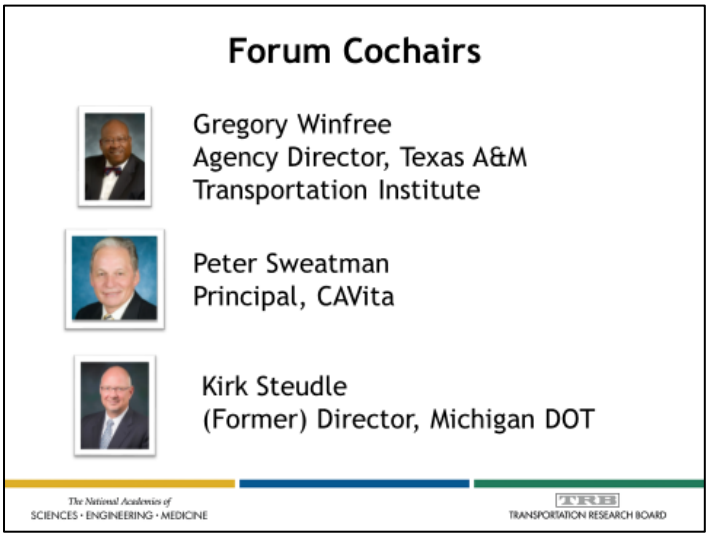

C. Observations from TRB Executive Director (Pedersen)

- Mark check w/Neil so that he is aware

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D. Other Business?

- Show slide

V. ADJOURN

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FORUM WEBINAR #2: NOVEMBER 13, 2018

Forum on Preparing for Automated Vehicles & Shared Mobility