

**TRB JOINT MID-YEAR MEETING OF  
COMMITTEE ON TRUCK & BUS SAFETY (ANB70) and  
COMMITTEE ON TRUCKING INDUSTRY RESEARCH (AT060)  
MEETING MINUTES**

**July 22, 2015**

**Location**

Alexander Majors House & Barn  
8201 State Line Road, Kansas City, Missouri

Minutes recorded by Erin Mabry, Caroline Boris, and Matt Johnson; and edited by Brenda Lantz, Steve Burks, and Dan Murray



**JOINT MEETING**

1. Welcome from chairs – Steve Burks and Brenda Lantz
2. A big thank you to the sponsors for this joint meeting, including YRC and ATRI
3. Roll call and self-introductions
4. Review agenda
5. Review and accept minutes of Annual Meeting
  - a. AT060 (recorded by Dan Murray, edited by Steve Burks)
    - i. Minutes accepted.
  - b. ANB70 (recorded by Erin Mabry, edited by Brenda Lantz)
    - i. Minutes accepted.
6. Updates from TRB staff
  - a. AT060, Scott Babcock
    - i. Congrats on committee collaboration
    - ii. TRB workshop proposals heavy in freight group, light on rail/marine group, all workshops approved.
    - iii. Papers due 8/1, review assignments 8/12-need volunteers, if unable to review let know early.
    - iv. Sessions due Oct 1.
    - v. Jan 10-14 TRB 2016. New executive director Neil Peterson.
  - b. ANB70, Bernardo Kleiner
    - i. Paper reviews approaching, please leave comments and offer detailed feedback.
    - ii. Reminder to create and keep your MyTRB.org profile up to date.
7. Reports of general interest from ANB70
  - a. FMCSA Report - Safety Research Initiatives – Martin Walker (phone)
    - i. 34 hours Restart Field Study - Recruited about 200 drivers after attrition, PVT scores, wrist actigraph, onboard monitoring systems, ELDs, looking at frequency of restarts. 50% through data collection, should wrap up in September, final report end of year.

- ii. CNSTAT HOS Research Report - Committee on Nat'l Statistics from Academies of Science-Research methodologies and statistical approaches. Final report online July/August.
- iii. New Studies
  - 1. Sleeper Berth Pilot Study - flexible use of sleeper berth. Team to be selected by fall.
  - 2. Driver Detention Time - Phase 2 - detention time impact on safety
  - 3. Large Truck Crash Factors Study - pre crash and crash data, NDS, onboard monitoring systems, highway and police data
  - 4. ID Sleep Disorders in CMV Drivers using OBMS - another use for onboard monitoring systems-screener to test for sleep disorders
  - 5. Effects of Age on CMV Safety - crash data and BMT
    - a. Question: hand eye coordination (young drivers) vs. experience (older drivers)-need carrier data
      - i. Mike Belzer-agree with Dan Murray. Control on age and experience, younger drivers have bad judgement/good reaction time, older drivers better experience / judgement / slower reaction time
      - ii. Tom Weakley-suggestion to pair age and experience
    - b. Question: Sleeper berth pilot-exemptions and drivers allowed to break when tired-will everyone be using the provisions differently? How will you control for analyses?
      - i. Response: Bin data and robust dataset for analyses.
- b. FMCSA Report - Policy and Rulemaking Initiatives - Tom Yager (phone)
  - i. Spending time on exemptions from regulations-provide flexibility. Reauthorization of transportation bill-working with congress on language.
    - 1. Andrea Sequin question: When will guidance on personal conveyance be coming?
      - a. Difficult set of regulatory guidance-can't give specific time.
  - ii. Internal goals-work on regulations that are less complex; compliance and using data for targeted enforcement; rules-ELD final rule out by end of September
    - 1. Dan Murray question: There are industry concerns about inappropriate use of ELD data for other purposes. Is there an assumption that all ELD data are publicly available? Real time?
      - a. Tom response: Proprietary data, not publicly available, nor real time.
    - 2. Andrea Sequin: Three (3) year implementation for ELDs?
      - a. Tom Response: 2-3 years anticipated period (not allowed to discuss specifics).
  - iii. Safety fitness determination proposal out by end of year to rate carriers
  - iv. Entry level driver training-mandatory pre-licensing training. Recommendations are publicly available-contact if interested in reviewing. OMB-rules must be cost beneficial-challenging for driver training rules
- c. NHTSA Report - George Soodoo, Abby Morgan, and Patrick Hallan (phone)
  - i. ESC final rule published for truck tractors and large buses and is in the 45-day petition-for-reconsideration period. Speed limiter draft proposed rule is being reviewed by OMB/OIRA.

- ii. Abby Morgan-crash avoidance and mitigation-petition for rulemaking; FOT performance of crash avoidance systems, final report 2016, may consider follow on study; v2v communication-summary report late 2015
- iii. Q: Extent to which NHTSA is concerned about cyber security of V2V?
  - 1. Abby: sub-team dedicated to cyber security. Research studies being conducted to explore and address issues
- iv. Q: Forward collision-objective timeframe for making decision
  - 1. Abby: priorities but no definitive timeline
- v. Slides will be posted on ANB70 website
- d. NTSB Report - Robert Molloy (in person)
  - i. New board member Vice Chairman Bella Dinh-Zarr (highway safety)
  - ii. Updates on NTSB investigations across US
  - iii. Safety report on Commercial vehicle onboard video systems-belts on buses issue. Recs on visibility, low light recording capability, installation, privacy issues
  - iv. SIR: forward collision avoidance systems
  - v. Rear end crashes-fatigue, distraction involved. Recommendations: FCAS standard on trucks and buses, NHTSA develop standards, FCAS standard on passenger cars, NCAP & Monroney label.
    - 1. Dan Murray question: How do you address that 2/3rds of rear-end fatalities are car rear-ending trucks?
  - vi. Motorcoach recommendations: pre-trip safety briefings and card, secondary door, improved flammability for motorcoaches
  - vii. Discussions of specific events under review-reports underway
- 8. Reports of general interest from AT060
  - a. FHWA update - Tom Kearney (phone)
    - i. Last VIUS published in 2002; efforts underway to conduct an update.
    - ii. Thursday Aug. 6 listening session for stakeholders.
    - iii. Freight performance rulemaking process scheduled fall 2015, under OMB review.
    - iv. Travel time truck data set called NPMRDS, making generally available, public domain for freight planning purposes-HERE traffic working with ATRI truck GPS data. Transport Canada and Toronto working with.
    - v. Truck size and weight study, technical reports and public reports available online. Initiative underway-Report to Congress is under development, summary of results in technical areas completed, improvement opportunities identified in Summary report, notification to Congress where advancement has occurred. Input docket for submitting comments on Technical Reports closed on September 13, 2015.
    - vi. Jason's Law-work complete. ATA, OOIDA, CVSA, AASHTO and NATSO all involved-designed survey instruments and collect survey information included in report. Input from drivers, companies, DOTs-show where parking issues, metrics identified for how we will track progress in addressing the problem. DOT support to move forward on survey results-put together action/strategy plan-practical and usable solutions.
    - vii. Priority freight network-MAP21, ongoing work, multimodal, identify networks and post
    - viii. Report under final review-freight condition and performance improvement
    - ix. National freight strategic plan out by end of year

- x. Connected vehicles/trucks continues to progress; the Connected Vehicle Pilot in Wyoming on I-80 focuses on trucks and adverse weather events.
  - xi. Impact assessment-evaluating benefits of automated roadside enforcement continues to be progressed.
  - xii. Dan Murray: Miles in strategic network - 40k+ miles now; up from 27,000
9. Brief reports on research in progress
- a. ATRI: HOS time of day issues
    - i. Dan Murray – one of research advisory committee’s top initiatives. 34 hr restart study. NHTSA’s own analysis-worst time to drive morning and afternoon rush hour. Crashes up all weekdays; Early Sunday morning injury crashes up to 28%
  - b. ATRI: Driver assessment tool
    - i. Role of younger drivers. Identify tool, apply to safe driver and see what positive attributes are-mature and safe drivers. 5 factor personality test.
    - ii. FMCSA indicated they were investigating similar project through UMTRI
    - iii. Tom Weakley question: 34 hr restart study, is raw data available for public use?

**INLINE BREAKOUT SESSION: AT060**

10. Trucking 101 subcommittee
- a. Report from Chair: Kristen Monaco (phone)
    - i. Updating e-circular, focusing on areas overlooked in first version, including Impact of recession on trucking. People working on intermodal, international trade, domestic intermodal, etc. Needs coverage/volunteer to write section on funding/infrastructure (3-5 pg sections)-contact Steve Burks if interested. Need active readers/reviewers to provide feedback.
11. Paper review plans- Mike Smith
- a. Ability to seek help outside of committee
  - b. Ability to respond immediately (“no” = will not review) so it can be reassigned quickly
  - c. Request that committee members/friends review papers if they have relevant experience
12. Moving towards having a communications coordinator
- a. More formal communications within 6 months
13. Research coordinator: Mike Smith (would like to pass the baton)
- a. Not an active role thus far-looking for volunteers to serve-involves soliciting ideas and finding other committees that have similar interests, get ideas through to the right areas.
  - b. Ideas for talking freight webinar
    - i. Dan: truck parking/Jason’s law
      - 1. OR DOT doing truck parking study
      - 2. Cosponsor TRB maybe?
  - c. Goal: more active research initiatives
    - i. Find an academic to serve as research coordinator
      - 1. Bernardo suggested collaboration with other committees with complimentary objectives
  - d. Develop research needs statement by January
14. TRB Annual Meeting planning discussion
- a. Approach TA/Petro about parking study
  - b. Bring panel proposal sessions to Steve, Dan and Andrea. 2 sessions, 1 paper.

- c. Mike Belzer workshop proposal: organized economics of rates in trucking and surface transportation. Relationship between workers' rates and safety outcomes, relationship between employee/contractor status and safety outcomes
  - i. Details still nebulous (who is speaking, etc); still need to identify motor carrier participant
  - ii. Workshop on Sunday afternoon, international attendees, industry participants (Endorsement from committee – 8 in favor, 1 opposed, motion passes)

**INLINE BREAKOUT SESSION: ANB70**

15. Subcommittee Reports

- a. Review of annual subcommittee meetings; updates, and plans for Annual Meeting
- b. Truck and Bus Operator Health and Wellness – Erin Mabry and Jeff Hickman (phone)
  - i. Jeff has worked with Liza Kunzman, AND60 Chair, to co-sponsor 3 calls for papers:
    - 1. Reducing Illness and injury rates in transportation workers
    - 2. Technology, modeling, data analysis applications in maintenance equipment and fleet management
    - 3. Connected road weather sensing: technologies
- c. Truck and Bus Safety Data Needs – Bob Scopatz (phone)
  - i. Strategic plan underway by email and business at annual meeting
- d. Motorcoach Safety – Tom Yager (phone)
  - i. Reorganizational effort, general discussion, ongoing research, projects
- e. Alternative Compliance – Gene Bergoffen
  - i. Brenda reviewed the Federal Register notice from FMCSA for “Beyond Compliance” with its invitation for comments. Both CVSA and ATA are promoting “Beyond Compliance.” For the meeting in January, Gene plans to summarize and discuss comments to FMCSA and any FMCSA action to that point.
- f. Technology – George Reagle (phone)
  - i. Good yearly meeting-exchange technical info on technology.
  - ii. Four (4) topics to cover 2016: ELD rule (George Soodoo covered), forward collision systems and autonomous emergency breaking, straight truck technology, truck size and weight
- g. Driver Training – Tom Weakley (in person)
  - i. Negotiated rulemaking, FMCSA and 20 different stakeholders. Cost benefit analysis?

16. Research coordination/needs discussion

- a. Discussed the way to endorse research needs statements (possible endorsements from AT060). 55 topics in 11 different focus areas identified. Details on RNS website. Encourage review of RNS and endorse.

17. Annual Meeting plans

- a. Committee and Subcommittee meetings
- b. FMCSA Forum and Poster session

**AFTERNOON INDUSTRY SPEAKERS**

18. Jason Craig, CH Robinson

- a. Issue of competing goals of hiring safe carriers vs. mitigating risk of negligent selection of carrier lawsuits

- i. Who should you hire?
      - ii. Insurance issues introduced by this
      - iii. Shippers/brokers don't understand what BASIC scores/percentiles relate to safety
    - b. Discussion about above threshold BASICs and hiring practices
      - i. Impact on O-Os without any score
      - ii. Crash basic may indicate future crash risk
      - iii. Issue of selection bias (finding violations, not identifying good carriers) and approach on probability not rule method
      - iv. Regional view: carriers operating in high risk areas look unsafe
      - v. Issue of industry segments by APUs—how do you compare the percentile of carriers with differing sizes
        - 1. Possible solution: rank by number of violations instead of APUs
    - c. FMCSA could define what shippers should pay attention to
      - i. Also define for purposes of legal issues: judges, jurors need to be able to understand what is important when issues are adjudicated
    - d. Issue with enforcement not completing inspections if they will probably be clean, but system rewards clean inspections
19. Tom Crawford, President, Missouri Trucking Association
  - a. Trucking issues important to Missouri Trucking Association
  - b. Incredibly low infrastructure funding
  - c. 7th highest amount of road miles in nation
  - d. Sample of 2,000 trucks, truck flows starting in KC travel to all contiguous states in 7 days
  - e. Can't raise usage fees through legislation, must find alternate revenue sources
    - i. Product of state constitution—tax increases of certain amount must be voted on by the general population
    - ii. Darren: is the funding issue (state level) compounded by the federal funding issues?
    - iii. Missouri will not be able to match federal funds for the first time ever
    - iv. MoDOT is ranking roads (2 tiers) on where to put available funding because of shortage
      - 1. Second tier roads will deteriorate
20. Dan Murray (replacing Bob Costello) on Economic report
  - a. Discussion of driver shortage
    - i. What defines a shortage?
  - b. Debates about optimistic economic projections—GDP, etc
21. Todd Spencer, Exec VP, OOIDA
  - a. Safety scores relationship with crash probability
  - b. Drivers paid by the mile
    - i. Not paid for waiting on shipper/consignee caused delays
    - ii. Creates perverse incentive (not safe)
    - iii. Carriers are introducing preferred rates for shippers who don't cause major delays
  - c. Discussion
    - i. Drivers delayed by shipper unload and load times. Shippers don't have incentive to be quick.

- ii. Lease-purchase agreements canceled before end of lease. Exploitation of drivers, “share cropping”.
  - iii. Possibility of the Uber model entering freight marketplace.
- 22. Evening safety panel discussion
  - a. FMCSA KS Division Administrator, Max Strathman
  - b. KS Highway Patrol Captain, Chris Turner
  - c. Schneider National Director of Regulatory Services, Andrea Sequin
- 23. Next day site visits
  - a. BNSF logistics park intermodal terminal
  - b. Kansas City Southern intermodal terminal