

# MEETING NOTES

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## **Iowa Advisory Council on Automated Transportation (ATC) Infrastructure Readiness Subcommittee Meeting**

Skype Conference Call – 319-467-1100, conference ID: 8442672#

Monday, June 10, 2019

2-3pm

1. Welcome and introduction of Subcommittee Chair – Anna Dizack, University of Iowa National Advanced Driving Simulator (5 minutes)

### Attendees:

- Erin Mullenix, Iowa League of Cities
  - John Gibson – Iowa Division of the Federal Highway Administration (FHWA)
  - Mike Lauer – Iowa Communications Network
  - Mark Nahra – Woodbury County, National Association of County Engineers (NACE)
  - Rose Jaynes – Brighton
  - Adam Shell, Garrett Pedersen, Jim Schnoebelen – Iowa DOT
  - Omar Ahmad, Anna Dizack – University of Iowa National Advanced Driving Simulator
  - Neal Hawkins – Iowa State University InTrans
  - Peter Rafferty, Todd Szymkowski – Gannett Fleming
2. Update on ATC meeting held Friday, March 29<sup>th</sup> – Erin Mullenix, Iowa League of Cities (5 minutes)
    - Erin provided update: summary on Peloton truck platooning presentation, legislation discussed, the ATC vision
  3. Update on recent AV legislation – Adam Shell, Iowa DOT (5 minutes)
    - HF387 – DOT will not be doing too much in regards to this bill. Will be some discussions between law enforcement and DOT as far as what enforcement will be.
    - SF302 – a broader bill with significant impact on operation of a vehicle. Takes effect July 1<sup>st</sup>. Not looking to pursue anything right away with these bills. DOT had an internal meeting a couple weeks ago on these bills. Certain things we need to educate ourselves on. Next steps – seeking input, not rushing to make rules, looking to see what other states have done. Will use CAT SLP to potentially implement recent legislation requirements in next 6-9 months.
  4. Des Moines MPO Smart City Roundtable – Erin Mullenix, Iowa League of Cities (15 minutes)
    - Purpose – bring together local governments and stakeholders to talk about cities and big data, about exchanging ideas across all sectors (public, private, non-profit). How tech might impact community development.
    - Have been talking a lot about socio economic factors.
    - Roundtable group, meets quarterly, new over the last year

- Taskforce – A smaller group made up of city management staff (regional partners) – identify issues
  - A subcommittees component – only one now, transportation. These are topic based.
  - First time meeting – April 2018. Met again in June. Big data, local government discussions. Heard from United Way, City of West Des Moines (working with Microsoft on a broadband pilot), Iowa DOT (AVs), Downtown DM Pedestrian Council.
  - October – DM Regional Transit. Could we put together a smart city checklist? Verizon Wireless (latest tech in communities).
  - January – Local government taskforce meeting. CenturyLink. Discussed transportation again (more generally).
    - Transportation of children to school
    - Talked with different local officials within the process
    - AV in general and ATC
    - Reviewed a prioritization survey to determine what was important. Transportation, tech preparedness, education, system efficiencies, homeless/affordable housing, food insecurity. People ranked top priorities.
      - Top priority to tackle first – transportation. Management of parking, response, traffic management and operations.
      - Second – tech preparedness.
      - Third – education. Access, parent engagement, adult education and readiness.
    - How do we improve org culture around big data so we can implement tech advancements?
  - Adam Shell – LRTP subcommittee. Coordinated emergency vehicle response within the metro, transit efficiency, utilize TNC (transportation network companies like Uber and Lyft), corridor management study. Quite a bit about performance measures – what does the MPO need to look at?
5. Cooperative Automated Transportation Service Layer Plan (CAT SLP) – Adam Shell, Iowa DOT (5 minutes)
- Adam Shell – Department has been working on a CAT SLP. Transportation Management Systems Operation project (TSMO) establish a business case for AT by the DOT. Looking to complete by this summer. ATC plan is more broad and outward. CAT SLP is more inward and focuses on the DOT business case. Will not focus too much on insurance and liability.
6. ATC Vision Project – Peter Rafferty, Gannett Fleming (15 minutes)
- Peter Rafferty presented on the Iowa AT vision (reviewed slides)
  - This subcommittee could provide guidance in investments, policy changes, guidelines
  - Is there anything missing on the list in the PowerPoint for the Infrastructure Readiness subcommittee?
    - Neal Hawkins – us looking at what others are doing, what problems they’re solving – it’s about solving problems. They’re people-based. Not just putting technology into the ground. What is it we’re trying to solve? What is the infrastructure? There’s still a lot of human trust that’s the challenge. We as a group can think of low-hanging fruit, get a perspective of what we can

do/direction we can go statewide. Human issues we can solve. Strategic and tactical decision-making. What can we solve for our state and in what order?

- Mike Lauer – the more time you spend on strategic planning, the easier the tactical planning is. There needs to be a good overall plan and action items from there. That will be the biggest benefit we can provide. Sometimes there are already things out there the state of Iowa owns.
  - Adam Shell – 5G?
  - Mike Lauer – Iowa has 5,000-10,000 miles of fiber out there. Towers are out there. This is all 4G technology. So much sitting out there. There's a big play in plan for 5G when it comes to it.
  - Neal Hawkins – we as the Infrastructure subcommittee should know about the already strong fiber network the state has in place. We'll be able to solve a lot of problems we have. 5G is exciting but we have some incredible resources. One of the drivers for 5G is to get people off of their cables so you can stream. Lots of reasons 5G is getting pushed – likely not all about transportation.
  - Erin Mullenix – cybersecurity. A lot of these threads cross the subcommittees. We should cross share at ATC meeting.
  - Mike Lauer – this stuff isn't new. It's seasoned and in-place.
  - Mark Nahra – Iowa is still one of 5-6 states that uses 4" pavement markings. For AVs – go to 6" stripe. An increase in cost of 2.5 times for this lane marking guidance.
  - Neal Hawkins – what' the best approach? Where to mark (rural areas where it's more likely to go off the road)?
  - Mark Nahra – A black line with a white line on top of it? Wouldn't fade into pavement.
- NLC guidance
  - Erin Mullenix – two documents
  - IOO – infrastructure owner operators. Federal policy has six specific items.
- Peter Rafferty – can someone do research and come back to group on communications infrastructure in Iowa?
  - Mike Lauer volunteered to put together 5-10 minute presentation for next meeting

7. Information and key upcoming dates – Anna Dizack, University of Iowa National Advanced Driving Simulator

- Council SharePoint site
- Iowa ATC Meeting: Wednesday, June 12<sup>th</sup>, 10am-12pm

# SUBCOMMITTEE MEMBERSHIP

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## Infrastructure Readiness Subcommittee

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