



Texas A&M Transportation Institute
3135 TAMU
College Station, TX 77843-3135
979-317-2863
<http://tti.tamu.edu>

TECHNICAL MEMORANDUM

TxDOT IAC – Technical Support to the CAV Task Force

DATE: April 29, 2024

TO: Zeke Reyna, TxDOT
Strategic Research Analyst, TxDOT

COPY TO: Lauren, Freriks, Strategic Management Analyst, TxDOT
Beverly Storey, Research Scientist, TTI
TTI_Reports@tti.tamu.edu
Tim Hein, Research Development Office, TTI

FROM: Robert Brydia, Research Supervisor
Senior Research Scientist, Texas A&M Transportation Institute

RE: Freight and Delivery Subcommittee
April 15, 2024, Meeting Notes

Attendees:

Jimmy Archer	Texas Department of Motor Vehicles
Paula Bejarano	Navistar
Robert Brydia	Texas A&M Transportation Institute
Adam Campbell	Gatik AI
Michelle Chaka	TORC Robotics, Inc.
Bobby Cottam	Burns and McDonnell
Wiley Deck	Plus
Lauren Freriks	Texas Department of Transportation
Brittney Gick	Texas A&M Transportation Institute
Daniel Goff	Kodiak AI
Aravind Kailas	Volvo
Nicole Katsikides	Federal Motor Carrier Safety Administration
Anita Kim	TORC Robotics, Inc.

Jeremiah Kuntz	Aurora
Sam Loesche	Waabi
Zeke Reyna	Texas Department of Transportation
Dan Rozycki	The Transtec Group Inc.
Richard Steiner	Gatik AI
Beverly Storey	Texas A&M Transportation Institute
Daniel Sullivan	Navistar
Laura Weis	AECOM
Giacomo Yaquinto	Texas Department of Transportation
Jeff Warner	Texas A&M Transportation Institute
Brad Trefz	Texas A&M Transportation Institute
Mihir Saraf	AECOM
Charlie Leal	Texas Farm Bureau
David Ruth	Motogo Systems
Darran Anderson	Texas Department of Transportation

I. Welcome and Introduction – Zeke Reyna, TxDOT

- Thank you all for joining today for this meeting of the Freight and Delivery Subcommittee and the Texas CAV Task Force.
- Today we're going to dive into scenario topics and would like your feedback.

II. Opening Comments – Subcommittee Chair, Dan Goff, Kodiak Robotics

- Thank you for joining today and we are looking forward to this conversation as there is much happening in the CAV space within Texas.

III. Priority Topics Update - TTI

- AV Freight Emergency Service Procedures
 - Interactions
 - Law Enforcement – Traffic Enforcement Scenarios
 - ✓ Involving a traffic stop of AV vehicle
 - ✓ Reacting to law enforcement action not involving AV vehicle (e.g., police vehicle with lights on approaching from behind)
 - Law Enforcement Interactions – Vehicle Inspections
 - ✓ Pre-trip inspections – keep current scenarios but add “enhanced inspections”
 - ✓ Truck weigh stations – could be removed from this list since most likely only in extreme scenarios
 - ✓ Random inspection stops
 - ✓ *How would near term vs long term considerations be different?*
 - ✓ *Consider work accomplished by Commercial Vehicle Safety Alliance (CVSA)*

- Accident interactions
 - ✓ Accident even involving AV vehicle
 - ✦ Immobilizing AV vehicle
 - ✓ AV vehicle encountering accident scene with active response
 - ✦ Human-directed travel path and commands to ignore traffic control devices
 - ✦ Important to know where traffic being diverted -
 - Roadside Assistance
 - ✓ Interactions with AV vehicle experiencing mechanical or other problems on the road or roadside
 - AV Summit – April 30 – May 1
 - Registration closed
 - Registration number exceeded expectations
 - Summit process
 - Identify scenarios
 - Identify best practice for those scenarios
 - Identify needs and gaps
 - Next Steps
 - Examine emergency verification methods
 - Look for guidance related to non-roadway AV locations (ports, private yards, etc.)
 - Reach out to law enforcement and emergency response stakeholders
 - TEEX – Law enforcement training material development
 - Texas Commission on Law enforcement – Training standards

IV. Discussion

- Training / Continuing Education
 - Consider reaching out to Councils of Government around the state
 - Associations like Police Chiefs Associations, DPS, OA, etc.
 - Work with Education Subcommittee crossover communication plan
 - Develop a list of actionable steps for implementation
- Are there any recent publications relating to AV Freight?
- American Association of Motor Vehicle Administrators (AAMVA) has published Edition 4 of [Guidelines for Regulating Vehicles with Automated Driving Systems](#)
- We are breaking new ground here and trying to compile the best information that we can share with our partners across the operating environment of the roadways

V. Future Meeting Scheduling

- Third Meeting – May 13, 10-11AM CST (tentative)

VI. Adjourn