Market Positioning and C/AV Applications in Texas

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Smart Transport Symposium
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Accelerate Texas

Mission:
Establish public – private partnerships for researching, developing, commercializing, and implementing connected and automated vehicle technology
Texas Technology Task Force

• Convene subject matter experts to identify:
  – Key emerging technologies
  – Path to implementation
TTF Membership

- Steve Dellenback - Southwest Research Institute
- David Ferdman – CyrusOne
- Mike Heiligenstein - CTRMA
- Jon Hockenyos – TXP, Inc.
- Mike Krusee - Consultant
- Shelley Row - Shelly Row Associates
- Harry Voccola – Nokia
- Michael Morris – NCTCOG
- JD Stanley - Cisco
- Michael Walton – UT Austin
- Elyse Yates – I & O Communications
- Shannon Crum – TxDOT
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Accelerate Texas Staff

- Ed Seymour, Director
- Mike Krusee
- Jon Hockenyos

- Dave Sparks
- Bob Cuellar
Ecosystem Analysis

• Identify, list, categorize companies whose core business and technologies support development and realization of C/AV ecosystems

• Investigate companies who supply the automobile industry
Value Proposition

• Convene thought leadership on technology and policy issues
• Test Beds
• Transportation Policy Research Center
• Pilot deployments
• Texas economic strength
Test Bed and Living Laboratory Facilities

- I-30 Test Bed and NTTA (DFW)
- USDOT Freight Project (Waco)
- TTI Riverside Test Bed & Proposed Transit, Ped, Bike Test Bed (College Station)
- TransStar Traffic Operations Center (Houston)
- Truck Platooning (CS & SH 130)
- Texas CV Pilot (TBD)
- CTRMA and City of Austin
- TxDOT DSRC Testing (San Antonio)
Transportation Policy Research Center

- Policy Considerations for AV testing in Texas
- Cybersecurity Considerations for CAV
- Data Privacy Considerations
- Liability Issues
A Catalyst Group

- March 22, 23, 2015
- Dialogue on Issues and Opportunities for Advancing the C/AV Ecosystem
### Private Companies
- BMW
- Continental
- CUBIC
- Econolite
- Iteris
- Nvidia
- Serco
- Southwest Research Institute

### Public Agencies
- Capital Metro Transit Authority
- Central Texas RMA
- City of Austin
- Dallas Area Rapid Transit
- Harris County Toll Road Authority
- Houston METRO
- Houston TranStar
- North Central Texas COG
- North Texas Tollway Authority
- Texas A&M Transportation Institute
- Texas Department of Transportation
Technical Working Groups

• Communications and Data Sharing – Cybersecurity; One stop data center
• Procurement – Technology
• Road Readiness – Assessing Agency Readiness
• Infrastructure Standards – Interoperability and Standards
State of the Art

- Highway and Street Operations
- Automated Chauffeuring
State of the Market

• OEM Activities

• After Market Systems
Trucks
Accelerate Pilot Deployments

- TxDOT Fleet
- Transit
- Highway
- University Circulator
Major C/AV Ecosystems

- Vehicle
- Infrastructure
- .gov
Organizational Framework – Research

Multi Discipline Approach

Statewide University Approach
Defining Success

• Texas early adopter of C/AV
• Attract private and federal funding
• Utilization of Texas testbeds and living laboratories
• Owners are drawn to Texas to participate in C/AV industry
http://accelerate-texas.org