

Market Positioning and C/AV Applications in Texas



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**Smart Transport Symposium
August 20, 2015**

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

TTTF 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**



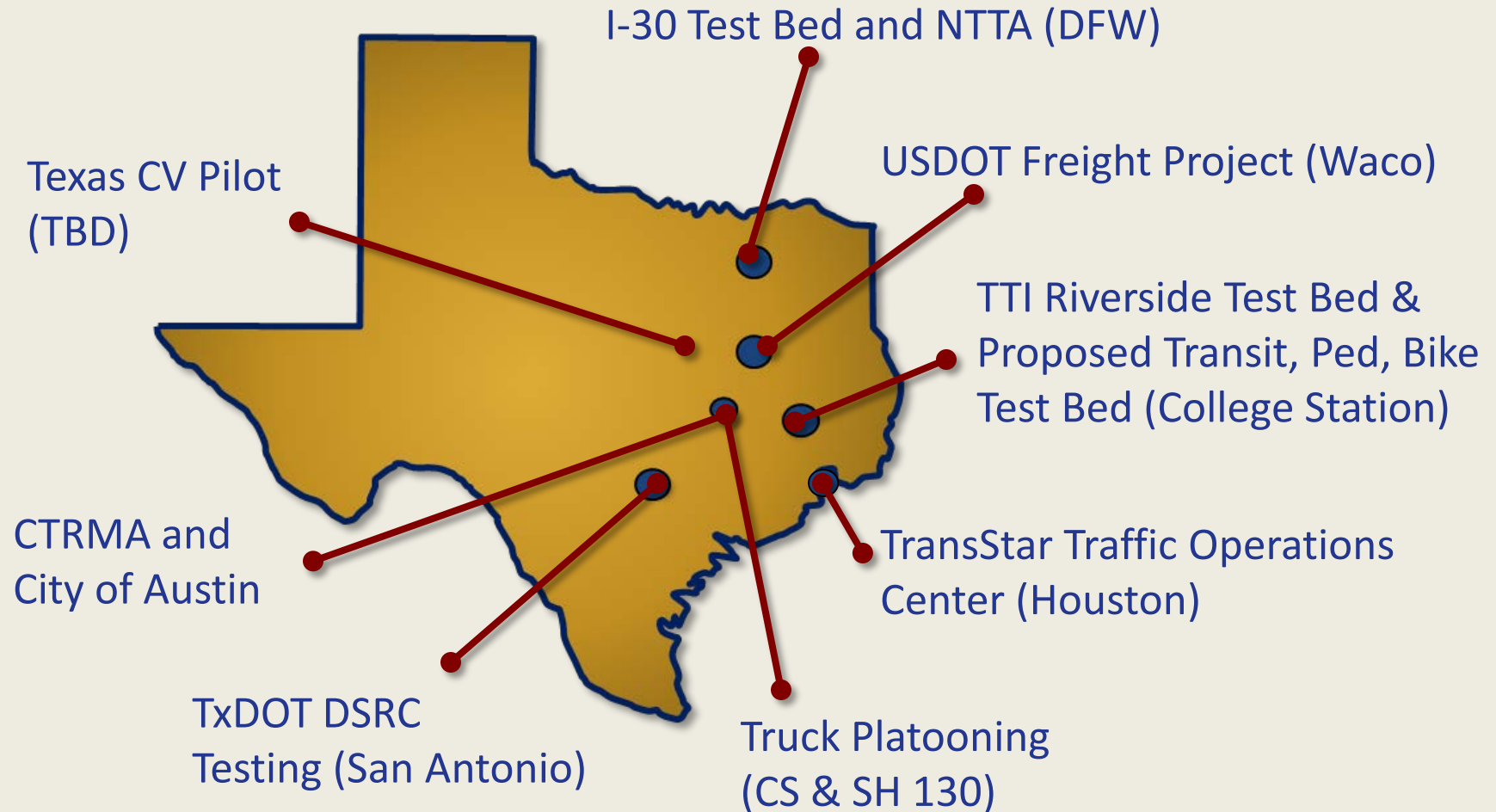
Ecosystem Analysis

- 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



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>

