
CASE Vehicles – Transit State of the Practice

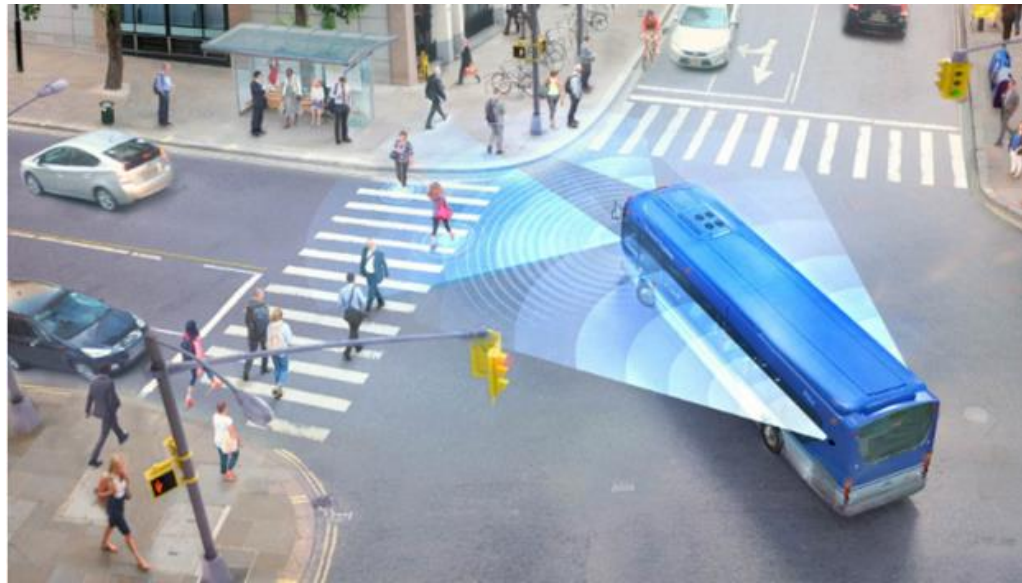
NOVA Transportation Roundtable – March 11, 2020

Jennifer B. DeBruhl, AICP, PMP
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Current Activities

- Driver Assistance System Demonstration
- Alerts transit operators of pedestrians, bicyclists, and inanimate objects that enter the path of the vehicle
- 9 Partner Agencies – Variety of Operating Environments
- Pilot completion – Summer 2020



Current Activities

- Automated Bus Consortium
- Partner – Hampton Roads Transit
- 40ft, Level 4 Autonomous Electric Bus by 2022



Current Activities – AV Shuttles

- JBM-HH – technical partner, applied for federal funds
- Fairfax County – first state funded AV Shuttle project



Battery Electric Buses

- Alexandria DASH
 - 6 – 40' Buses and charging infrastructure
- Blacksburg Transit
 - 2 – 60' Articulated Buses and charging infrastructure
 - 3 – 35' Buses and charging infrastructure
- Hampton Roads Transit
 - 6 – 40' Buses and charging infrastructure



What have we learned so far?

- Innovation is hard.....but it is worth it
- There is no substitute for good planning
- Expect the unexpected and manage risk
- Every project gets us closer to the goal

Where do we go from here?

- Leave room for innovation in planning corridors/services
 - Placeholders for potential deployments (I-66 Transit/TDM Plan)
 - Shorter planning timeframes – more strategic/tactical planning
- DRPT remains a willing partner to collaborate on innovative transportation solutions

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