



Infrastructure Based Solutions for Connected and Automated Vehicles



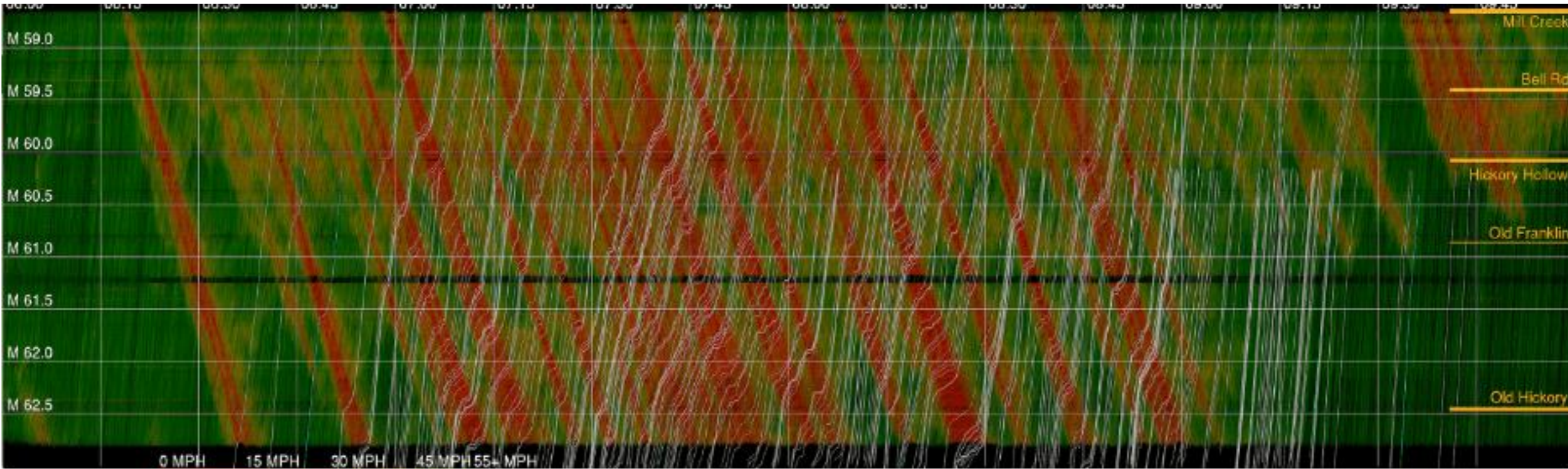
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Data for Intelligent Speed Adjustment



J. Sprinkle, D. Work et al, Vanderbilt University

Tennessee I-24 Motion Cameras



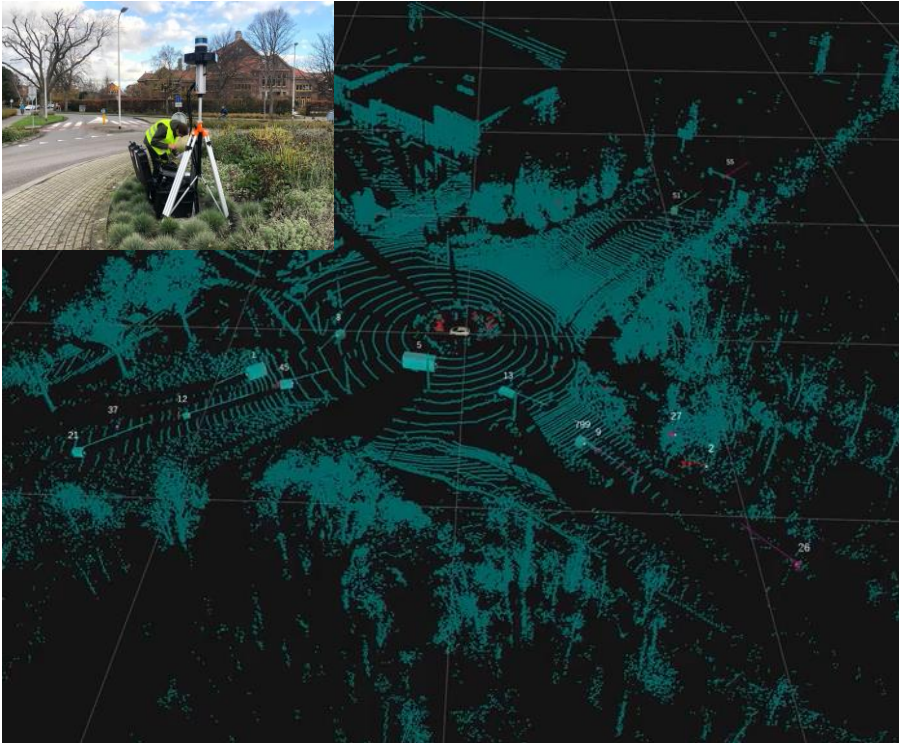
Tennessee I-24 Motion Cameras



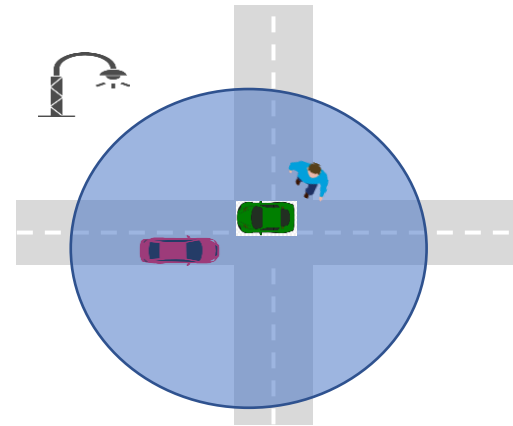
Data for Autonomous Driving



Why Use Stationary Infrastructure for AD?

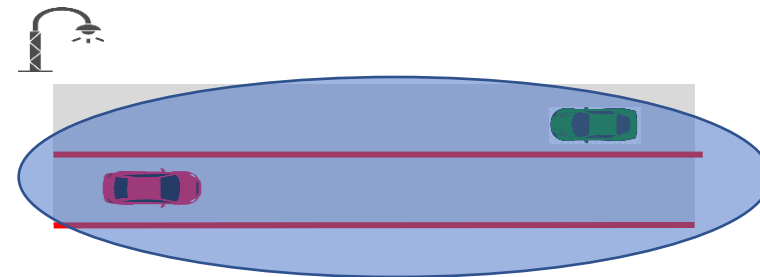


Better View

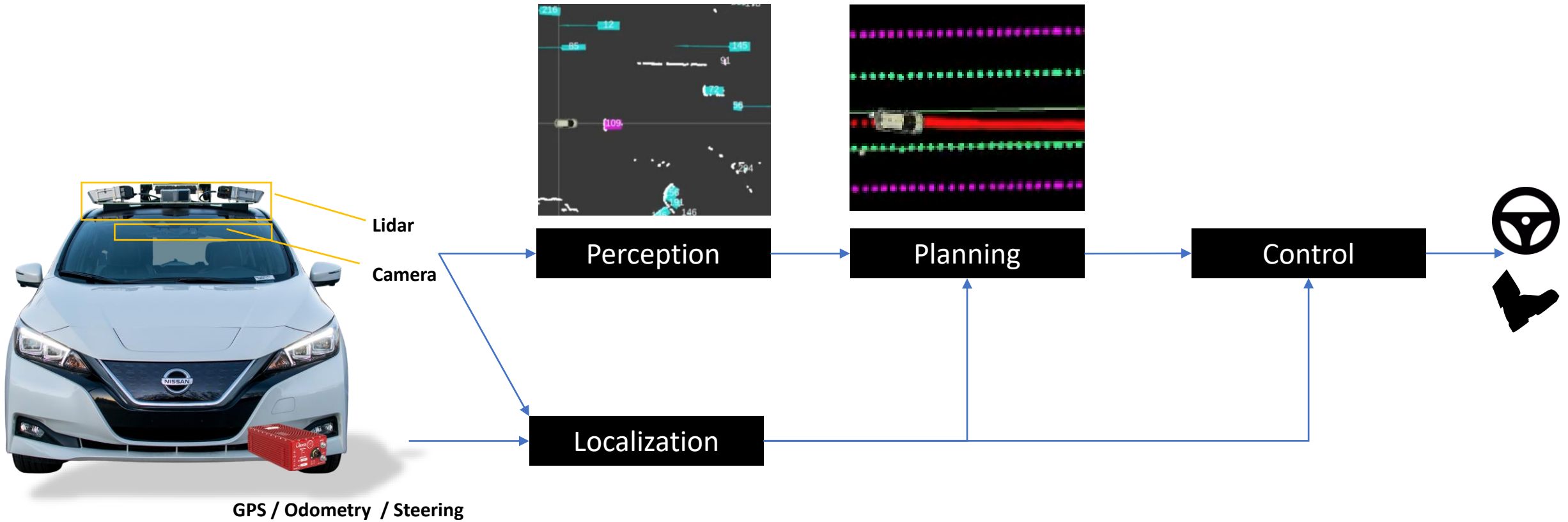


Better Perception

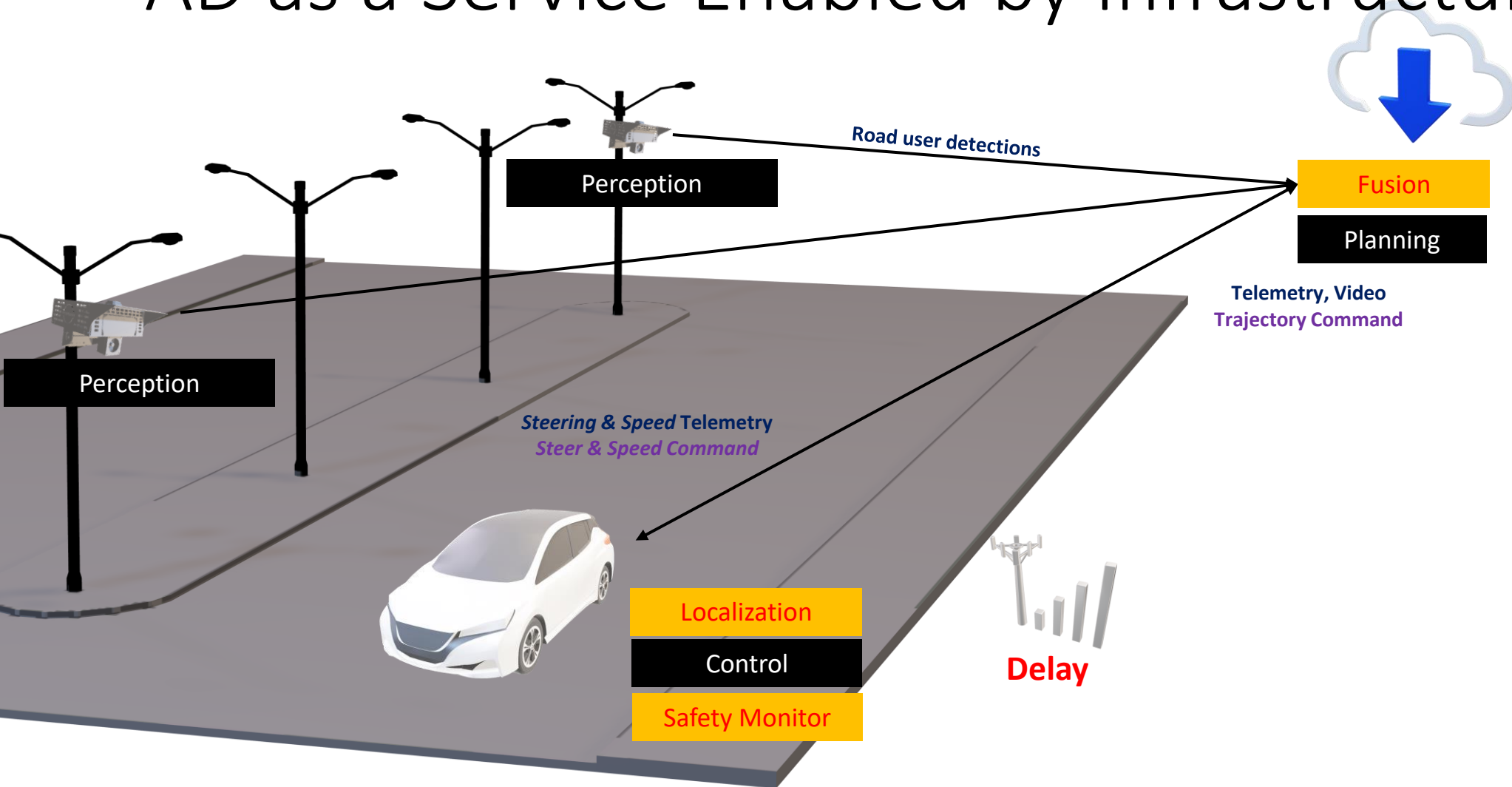
Change detection in relatively static scene



AD as a Service



AD as a Service Enabled by Infrastructure



Challenges

Who Pays

Access

Latency &
Safety

Acknowledgments

davteq^{INC}

