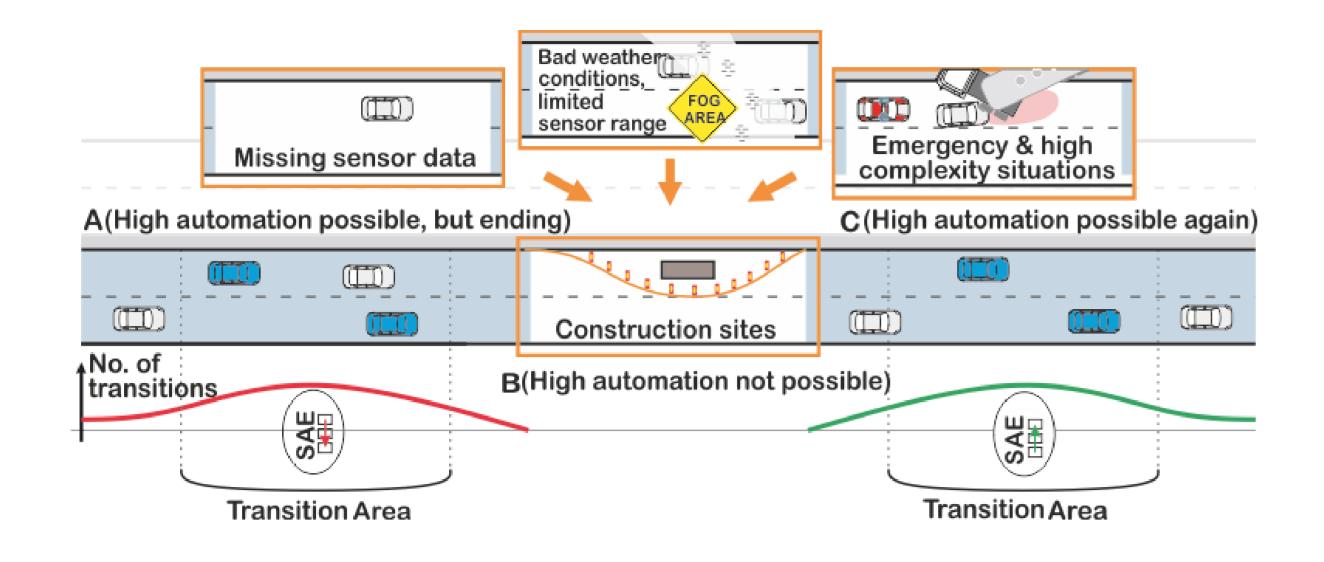
"Improving network performance with V2X services of dispatching take-over requests and safe spot assignments in an urban transition corridor" Robert Alms & Yun-Pang Flötteröd, DLR

TransAID - Transition Areas for Infrastructure-Assisted Driving



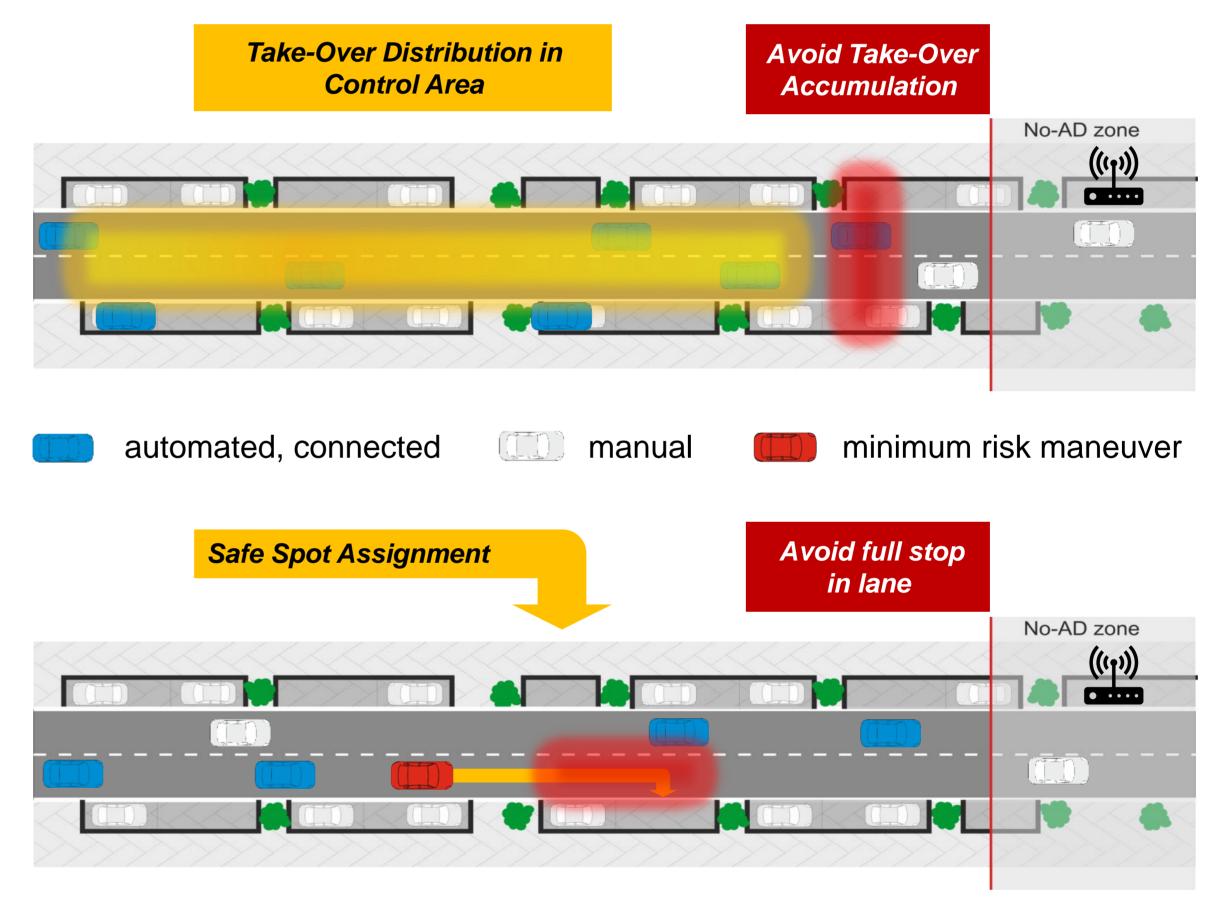
 Transitions of Control (ToCs) and Minimum Risk Maneuvers (MRMs) may induce significant disruptions to traffic system if occurring at the same location (Transition Areas)

"Transition Areas" are areas on the road where many highly automated vehicles (blue) are changing their level of automation due to various reasons.

Infrastructure-assisted traffic management (V2X) can help to mitigate negative impacts of control transitions

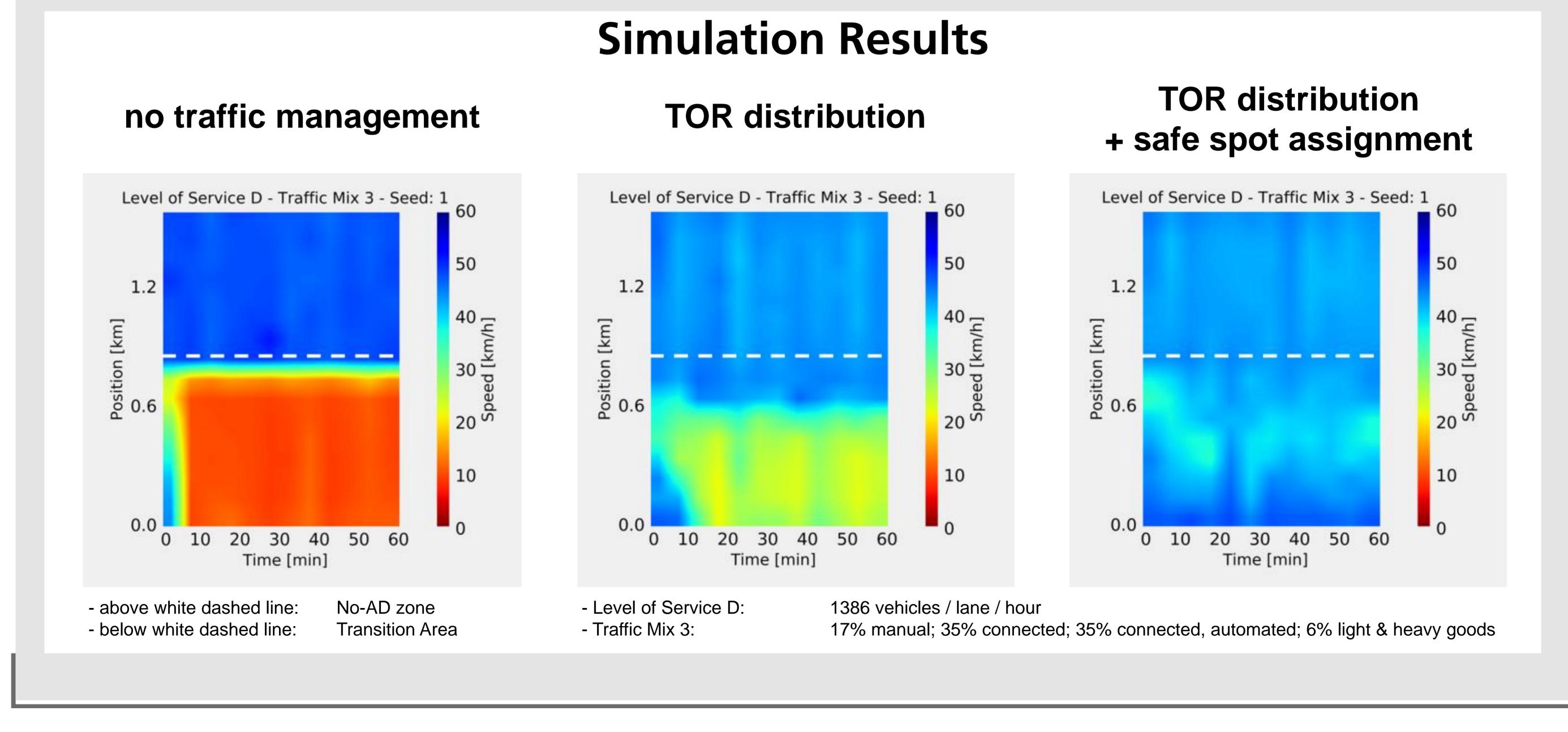
Dispatching Take-Over Request and Safe Spot Assignments

Procedure I: Traffic management dispatches Take-Over Requests (TORs) to connected automated vehicles within the Transition Area to avoid accumulation of disruptions caused by ToCs



Procedure II: In case of failed ToC, traffic management guides vehicle to a safe spot (e.g. free parking area) to avoid vehicles performing a full stop in lane

No-AD = no automated driving zone











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