

*Papers recommended by TRB Committee on Traffic Flow Theory and Characteristics (AHB45) for publication in Transportation Research Record, likely to appear in 2015. Subject to change.*

<b>No</b>	<b>Title</b>	<b>Author</b>
14-0032	Jam Occupancy and Other Lingering Problems with Empirical Fundamental Diagrams	Coifman, Benjamin
14-0204	A new generic multi-class kinematic wave traffic flow model: Model development and analysis of its properties	van Wageningen-Kessels, Femke
14-0284	Comprehensive Framework for Estimating Moving Bottleneck Traffic Stream Passing Rates	Fadhoun, Karim
14-0324	On the consistency of freeway macroscopic merging models	Torne, Josep Maria
14-0390	A Clustering Approach to Assess the Travel Time Reliability of Arterials	Hans, Etienne
14-0413	A Stochastic Model for Reliability Analysis in Freeway Networks	Wu, Ning
14-0511	The accuracy of network-wide traffic state estimations using mobile probe data	Nagle, Andrew
14-0816	Empirical observations of congestion propagation and dynamic partitioning with probe data for large scale systems	Ji, Yuxuan
14-1181	A Shockwave Approach to Estimating Queue Length at Signalized Intersections by Fusing Data of Point and Mobile Sensors	Cai, Qing
14-1609	Exploring Area-Wide Dynamics of Pedestrian Crowds Using a Three-Dimensional Approach	Saberi, Meead
14-1625	Analytical derivation of capacity at diverging junctions	Marczak, Florian
14-1731	From theory to practice II: a comprehensive approach for the sensitivity analysis of high dimensional and computationally expensive traffic simulation models	Ge, Qiao
14-1841	Dynamics of Urban Network Traffic Flow during a Large-Scale Evacuation	Zockaie Kheiraie, Ali
14-2307	An experimental study of pedestrians walking through angled corridors	Dias, Charitha
14-2383	Using Travel Time Data To Generate Aggregated Measures Of Traffic	Navarro, Matias
14-2718	An Experimental Investigation of Pedestrian Personal Space: Towards Modeling and Simulations of Pedestrian Crowd Dynamics	Gorrini, Andrea
14-2739	Groups Dynamics in Pedestrian Crowds: Proxemic Behavior Estimations	Gorrini, Andrea
14-2845	Estimating Network Fundamental Diagram using Three-Dimensional Vehicle Trajectories: Extending Edie's Definitions of Traffic Flow Variables to Networks	Saberi, Meead
14-3503	Brisbane Macroscopic Fundamental Diagram: Empirical Findings on Network Partitioning and Incident Detection	Tsubota, Takahiro
14-3516	The Mechanism of Early-onset Breakdown at Shanghai's Expressway On-ramp Bottlenecks	Sun, Jian
14-3683	Modeling and Analysis of the Merging Behaviors at Expressway On-Ramp Bottlenecks	Sun, Jian
14-3695	Modeling Vehicle Interactions during Freeway Ramp Merging in Congested Weaving Section	Wan, Xia
14-3702	The influence of the road layout on the Network Fundamental Diagram	Knoop, Victor
14-3737	Volume-delay functions based on stochastic capacity	Neuhold, Robert
14-3746	Joint probability distributions of vehicle locations and speeds from probe data on arterial road	Cao, Peng
14-3783	Automated Driving, Traffic Flow Efficiency And Human Factors: A Literature Review	Hoogendoorn, Raymond
14-3871	Calibration, estimation and sampling issues of car-following parameters	Monteil, Julien
14-4276	Empirical analysis of vehicle time headways and speeds on rural two-lane two-way roads	Rossi, Riccardo
14-4553	Real-time Prediction of Near-Future Traffic States on Freeways Using a Markov Model	Noroozi, Reza
14-4645	Fast Boundary Flow Prediction for Traffic Flow Models using Optimal Autoregressive Moving Average with Exogenous Inputs (ARMAX) Based Predictors	Wu, Cheng-Ju
14-5440	Max-pressure Controller For Stabilizing The Queues In Signalized Arterial Networks	Kouvelas, Anastasios
14-5447	Multi-Scale Traffic Flow Modeling In Mixed Networks	Joueiai, Mahtab
14-5449	A Linear Programming Model for Estimating High-Resolution Freeway Traffic States Using Vehicle Identification and Location Data	Lei, Hao

*Disclaimer: Any opinions, findings or conclusions expressed here do not necessarily reflect the views of the Transportation Research Board or the National Academies.*