1. Calculation method of traffic capacity in airport curbside

Chen, Yanyan (1); Zhang, Nuo (1); Wu, Haoning (2); Lu, Yao (1); Zhang, Liang (2); He, Jun (3)
Source: *Lecture Notes in Electrical Engineering*, v 419, p 725-736, 2018, *Green Intelligent Transportation Systems - Proceedings of the 7th International Conference on Green Intelligent Transportation System and Safety*; **ISSN:** 18761100, **E-ISSN:** 18761119; **ISBN-13:** 9789811035500; **DOI:** 10.1007/978-981-10-3551-7_58; **Conference:** 7th International Conference on Green Intelligent Transportation System and Safety, 2016, July 1, 2016 - July 4, 2016;
Publisher: Springer Verlag
Author affiliation: (1) Beijing Key Laboratory of Traffic Engineering, Beijing University of Technology, Chaoyang District, Beijing; 100024, China (2) China Airport Construction Group Corporation, Beijing, China (3) Wuhan Communications E&T Information Center, Wuhan, China
Abstract: Theoretical analysis and the establishment of airport departure curbside capacity calculation model are described, with the airport curbside as the research object, according to the arrival, stop, and leaving of the vehicle. Taking the Beijing Capital International Airport (BCIA) T3 terminal as an example, this study has evaluated the reliability and accuracy of the model by VISSIM, combined with its traffic characteristics. Departure curbside capacity estimation model derived provides identifiable ground for planning and design of airport departure curbside. © Springer Science+Business Media Singapore 2018. (3 refs)
Main heading: Airports
Controlled terms: Intelligent systems - Intelligent vehicle highway systems
Uncontrolled terms: Beijing capital international airports - Capacity - Capacity calculations - Capacity estimation - Planning and design - Traffic characteristics - Traffic flow analysis - Traffic planning
Classification Code: 431.4 Airports - 723.4 Artificial Intelligence - 723.5 Computer Applications
Database: Compendex

Data Provider: Engineering Village