

REFERENCES

- [1] R. M. Michaels and J. Fazio, "Driver Behavior Model of Merging," 1989.
- [2] "AASHTO. 2011. 'A Policy on Geometric Design of Highways and Streets.'"
- [3] X. Qu, Y. Yang, Z. Liu, S. Jin, and J. Weng, "Potential crash risks of expressway on-ramps and off-ramps: A case study in Beijing, China," *Safety Science*, vol. 70, pp. 58–62, Dec. 2014, doi: 10.1016/j.ssci.2014.04.016.
- [4] R. Wang, J. Hu, and X. Zhang, "Analysis of the Driver's Behavior Characteristics in Low Volume Freeway Interchange," *Mathematical Problems in Engineering*, vol. 2016, pp. 1–9, 2016, doi: 10.1155/2016/2679516.
- [5] A. van Beinum, M. Hovenga, V. Knoop, H. Farah, F. Wegman, and S. Hoogendoorn, "Macroscopic traffic flow changes around ramps," *Transportmetrica A: Transport Science*, vol. 14, no. 7, pp. 598–614, Aug. 2018, doi: 10.1080/23249935.2017.1415997.
- [6] J. Bared, G. L. Giering, and D. L. Warren, "Safety Evaluation of Acceleration and Deceleration Lane Lengths," 1999.
- [7] N. C. Jouzy and H. L. Michael, "Use of Acceleration-Deceleration Lanes," 1963.
- [8] M. Hunter, R. B. Machemehl, and A. Tsyganov, "REEVALUATION OF RAMP DESIGN SPEED CRITERIA," 1999.
- [9] Z. Jin, F. Jing, and Z. Rong-gui, "STUDY ON THE SAFETY LENGTH OF ACCELERATION AND DECELERATION LANE OF LEFT-SIDE RAMP ON FREEWAY," 2013.
- [10] J. A. Wattleworth, J. H. Buhr, D. R. Drew, and F. A. G. Jr, "Operational Effects of Some Entrance Ramp Geometrics on Freeway Merging," 1967.
- [11] M. Sarhan, Y. Hassan, and A. O. Abd El Halim, "Safety performance of freeway sections and relation to length of speed-change lanes," *Can. J. Civ. Eng.*, vol. 35, no. 5, pp. 531–541, May 2008, doi: 10.1139/L07-135.
- [12] R. Fan, H. Yu, P. Liu, and W. Wang, "Using VISSIM simulation model and Surrogate Safety Assessment Model for estimating field measured traffic conflicts at freeway merge areas," *IET Intelligent Transport Systems*, vol. 7, no. 1, pp. 68–77, Mar. 2013, doi: 10.1049/iet-its.2011.0232.
- [13] S. Tagar and S. S. Pulugurtha, "Effect of increasing the freeway posted speed limit on entry ramp speed-change lane crash frequency," *Transportation Engineering*, vol. 4, p. 100067, Jun. 2021, doi: 10.1016/j.treng.2021.100067.
- [14] D. R. Drew, "Gap Acceptance Characteristics for Ramp-Freeway Surveillance and Control," 1965.
- [15] I. Fukotome and K. Moskowitz, "Traffic Behavior and On-Ramp Design," 1962.
- [16] H. Chen, H. Zhou, and P.-S. Lin, "Selecting Optimal Deceleration Lane Lengths at Freeway Diverge Areas Combining Safety and Operational Effects," 2012.
- [17] D. R. Drew, J. H. Buhr, and R. H. Whitson, "DETERMINATION OF MERGING CAPACITY AND ITS APPLICATIONS TO FREEWAY DESIGN AND CONTROL".
- [18] J. H. Buhr, W. R. McCASLAND, J. D. Carvell, and D. R. Drew, "Design of Freeway Entrance Ramp Merging Control Systems".
- [19] E. Wang, J. Sun, S. Jiang, and F. Li, "Modeling the Various Merging Behaviors at Expressway On-Ramp Bottlenecks Using Support Vector Machine Models,"

Transportation Research Procedia, vol. 25, pp. 1327–1341, 2017, doi:
10.1016/j.trpro.2017.05.157.

- [20] D. Said, A. E. Halim, and Y. Hassan, “Methodology for Driver Behaviour Data Collection and Analysis for Integration in Geometric Design of Highways,” 2009.
- [21] B. D. Greenshields, D. Shapiro, and E. L. Erickson, “Traffic Performance at Urban Street Intersections,” *Urban Street Intersections, Technical Report No. 1*, Bureau of Highway Traffic, Yale University, 1947.