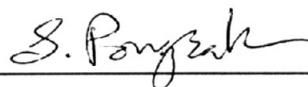


Pakasit Jirasak 2006: A Study of Driving Behaviors at Count-down Signal Type
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This study investigated the driving behaviors by considering saturation flow, lost time, speed of vehicle at amber times and 10 second before amber times, and traffic signalized disobedience at Count-down signalized intersections. Moreover, we also compared with typical signalized intersections at the same conditions. T-test analysis at 95 percent was used to analyze the data collections in both of Count-down and typical signalized intersections. The saturation flow of passenger car in both of Count-down and typical signalized intersections showed not significant values based on the same and different lane width. In the case of lost time comparison, the Count-down signalized can reduced 33 percent and 23 percent of lost times at the 3.00 meter and 3.30 meter of wide-lanes, respectively. During the Count-down signalized amber times, the average speed decreased 15 percent when compared with the typical signalized amber times. Moreover, we also investigated the speed at critical interval, the last 10 seconds of green times to amber times; it was found that 8 percent average speed increasing based on Count-down signalized condition. Finally, the traffic signalized disobediences at Count-down and typical signalized intersections were observed, the Count-down signalized affected to reduce disobediences about 21 percent.



Student's signature



Thesis Advisor's signature

29 / 9 / 06