

A Study on Bicycle Riding Behavior on Bike-Only Road

Authors : Hyeon Jong Yoo, Jae Hwan Yang, Dong Kyu Kim

Abstract : Recently, riding a bicycle is recommended as an eco-friendly means of transportation. In Seoul, the mayor has secured budget for extending bicycle infrastructure. As bicycle rental centers are adopted in places, more citizens are using bike rental service on bike-only roads for leisure. However, most of the citizens are not experienced in riding bicycles. They usually do not wear helmets, keep the balance of bicycle riding, and pay attention to nearby occasions. Therefore, in this study, bicycles on Han-river bike-only road were tracked, and their behaviors were analyzed in order to show how dangerously beginner riders are riding. The number of conflicts is calculated to evaluate riding safety on the most crowded bike-only road. As a result, conflicts between beginner riders and fast-driving skilled drivers are frequently observed especially at night, and on weekends. In conclusion, it is suggested that the government should acknowledge citizens the fact that bikes are vehicles and adopt a test for bike driving.

Keywords : bicycles, safety, bike-only road, policy proposal

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