

Median Cable Barriers' Role in Crash Reduction in Tennessee

This paper delves deep into evaluating the safety effectiveness performance of median cable barriers, a crucial development in traffic management and roadway safety. The study methodically analyzed the impact of cable barriers on fatal and serious injury crashes in Tennessee, leveraging the empirical Bayes (EB) methodology for before-and-after studies to ensure robustness in findings. Our evaluation revealed a substantial reduction in fatal crashes by 90% post-installation of the cable barriers. Concurrently, serious injury crashes observed a decrement exceeding 70%.