

ABSTRACT SUBMISSION FORM

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Paper Details:

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Overview of Presentation

Auckland Transport recently trialled a shared-use arrow (sharrow) marking, at a number of sites on the Auckland road network. The marking consists of a bicycle symbol with two chevrons above it, and attempts to create a safer shared lane facility for cyclists in low volume, low speed environments. Sharrow markings remind motorists that cyclists also share the road on which they are travelling. In addition, they direct cyclists away from potential hazards such as parked vehicles and open doors by clarifying where cyclists are expected to ride. This research analysed video footage provided by Auckland Transport from the sites to determine if the sharrow markings influenced cyclist behaviour. Behaviour was assessed by measuring the lateral positioning of cyclists in the pre-marking and post-marking scenarios, and then statistically analysing the data. The results obtained suggest that the sharrow markings were successful in influencing cyclist behaviour, as intended, with the general trend indicating a shift in the lateral positioning of the cyclists towards the sharrow marking.