

ABSTRACT SUBMISSION FORM

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Paper Details:

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Overview of Presentation

Manakau and Ohau townships are located on SH1 between Otaki and Levin around 80km north of Wellington. Despite a level of frontage activity and small communities in both townships, the 100km/h limit for SH1 in this locale is maintained through the entirety of both townships. There is a desire to implement a reduced 80km/h speed limit through both townships as a result of a poor crash history and to provide benefits for the local community (e.g. reduced severance). Given the long straight and relatively flat alignments, a speed reduction in isolation is unlikely to be effective. Therefore, a new approach is being proposed where an element of lateral shift is combined with vertical relief measures (such as planting and median islands) and subtle narrowing to achieve speed compliance. The projects are expected to deliver significant crash reduction benefits (and community satisfaction) with only moderate levels of expenditure. This paper will explore the basis for the design of the improvements together with the observed effectiveness of the completed projects on the ground.