

ROAD INFRASTRUCTURE MANAGEMENT FORUM

Our Carbon Equation



IPWEA INSTITUTE OF PUBLIC WORKS ENGINEERING AUSTRALASIA

Achieving Community & Climate Outcomes Through Maintenance & Low-Cost Interventions

Peter Standring | Waka Kotahi Erik Teekman | Waka Kotahi



in association with



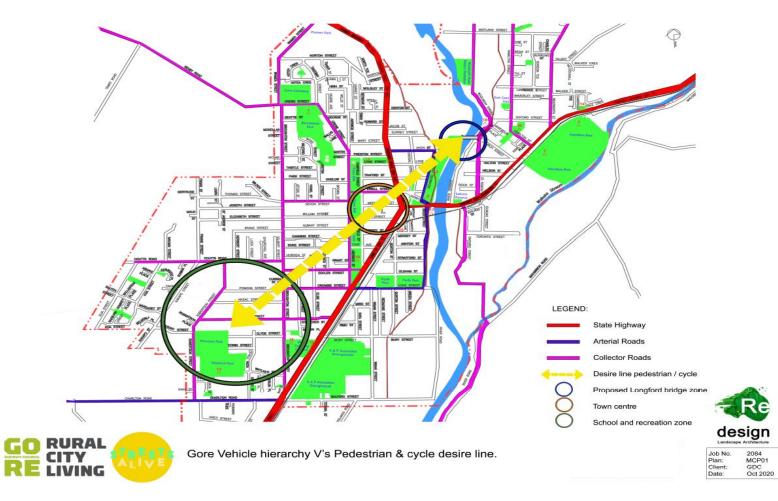


Background Context – Gore





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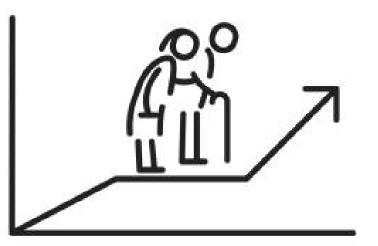




Background Context – Gore







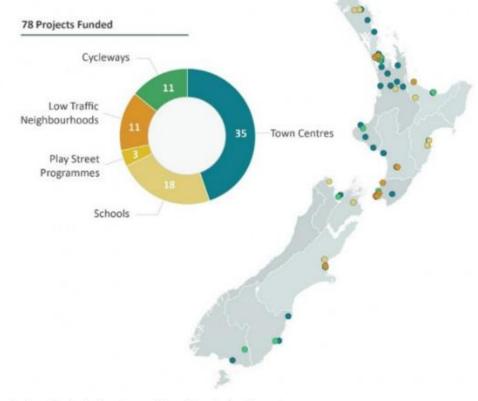






Innovating Streets Programme

- Waka Kotahi vision for 2050 is a lowcarbon, safe and healthy transport system
- Towns and cities are reshaped to reduce people's reliance on cars and support active, healthy and shared transport choices.
- Using tools such as Tactical Urbanism to rapidly reallocate street space to enabled speed up project implementation.



Funded projects in the Innovating Streets for People programme



TREETS ALIVE - GOALS **Destinations** of **Vibrant Public People-Friendly** Safer **Supporting Active Transport Modes** Realm Spaces Streets **Pride & Preference**





Influence traffic behaviours and transport asset use irrespective of mode













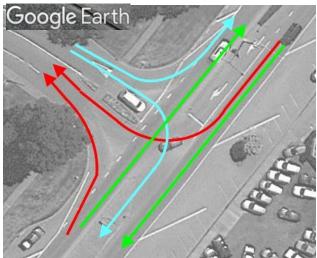


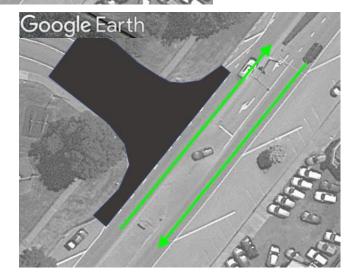










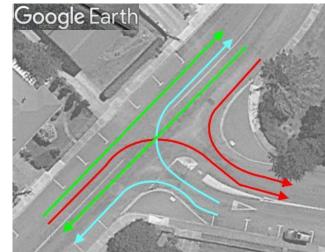


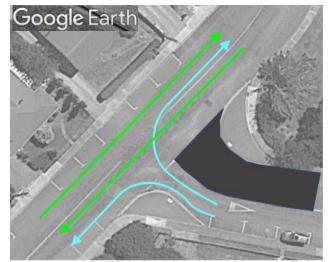


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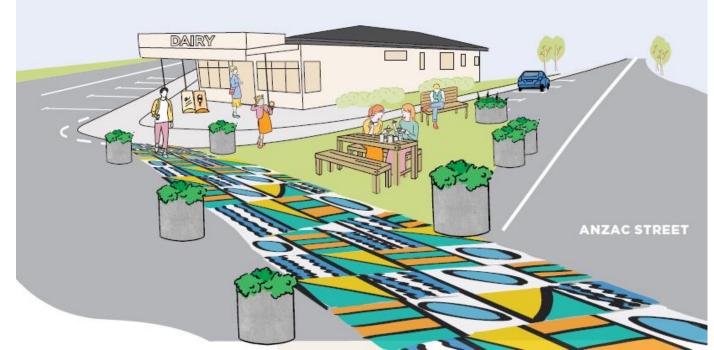






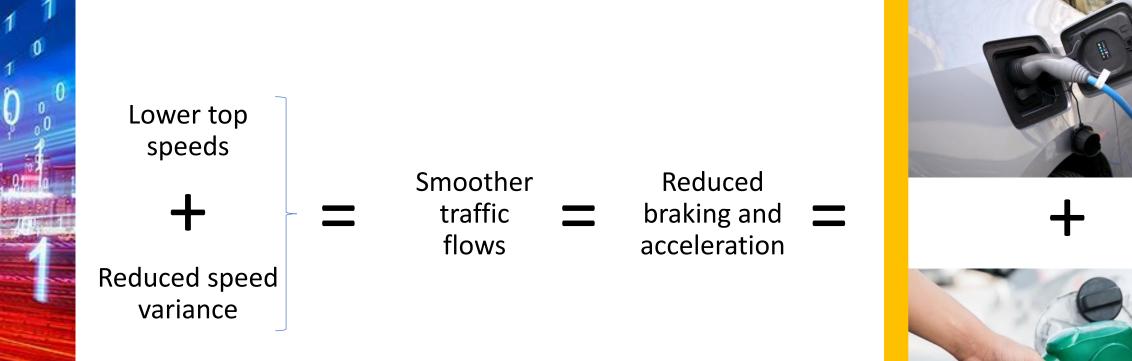
Results - Caveats

- Traffic Seasonality
- Incompleteness (bias) & sample sizes
- Different counters
- Indicative vs exact





Traffic Characteristics – Carbon Equation





Traffic Redistribution – Carbon Equation



PRIMARY COLLECTOR

SECONDARY COLLECTOR

ACCESS

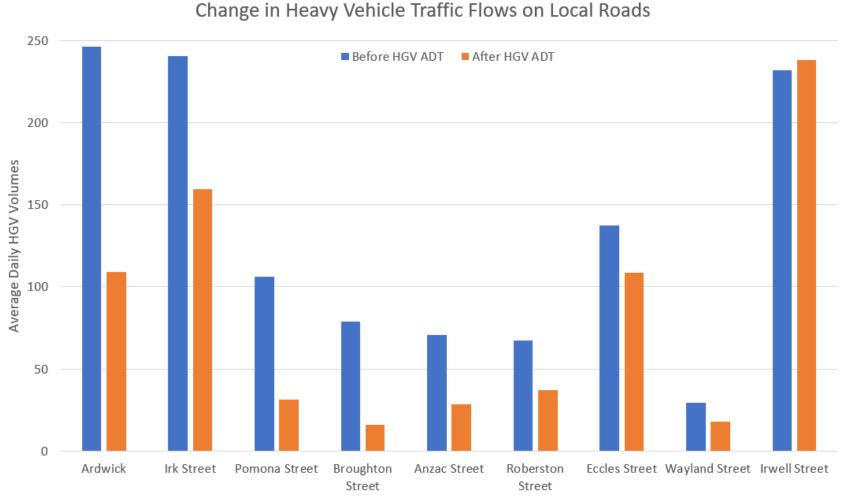
LOW VOLUME



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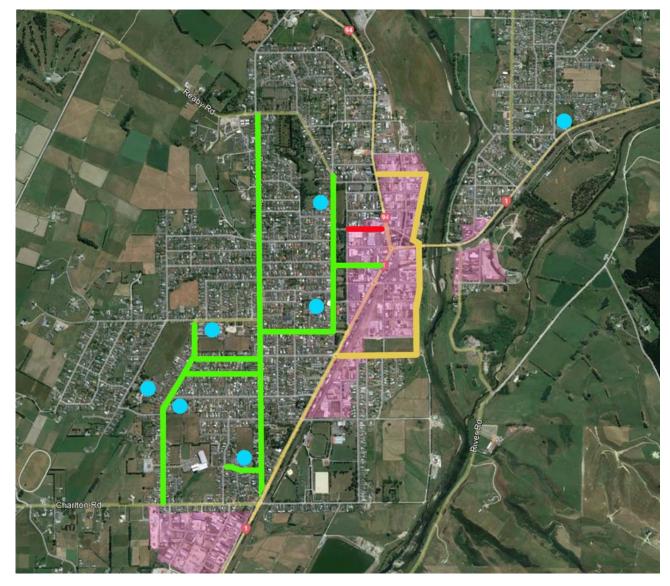
Results – HGV Traffic Redistribution



Street Name



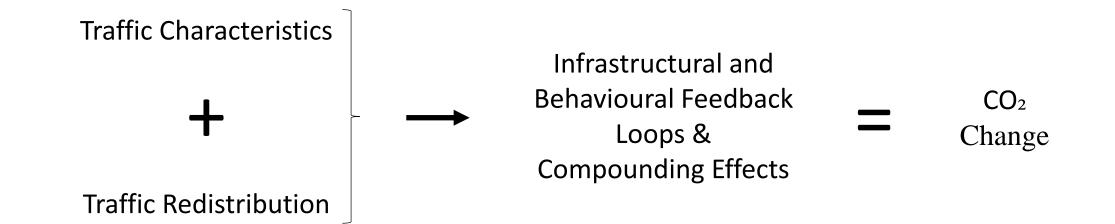
Results – HGV Traffic Redistribution







Network Outcomes – Carbon Equation





Summary

- Technical solution exists
- "People want change, but they don't want to change"
- Technical and social challenge intertwined

