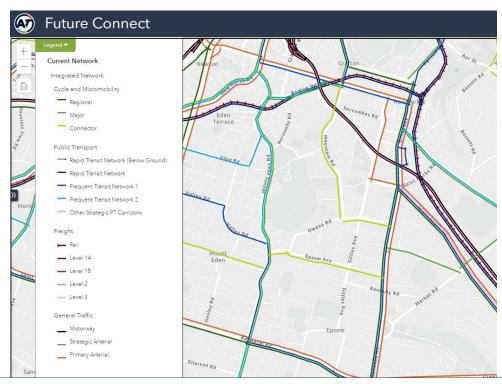




What we do in signal optimisation?

- Review and identify safety of the route related to signal
- Measure the performance as a corridor
- Prioritise different travel mode in accordance with Auckland Network Operations Plan (ANOP)



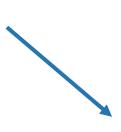




What is Power BI?



Route Information



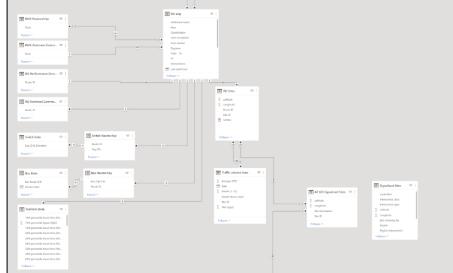


Signal Location Signal Information



Traffic Volume Red Light Running Signal timing



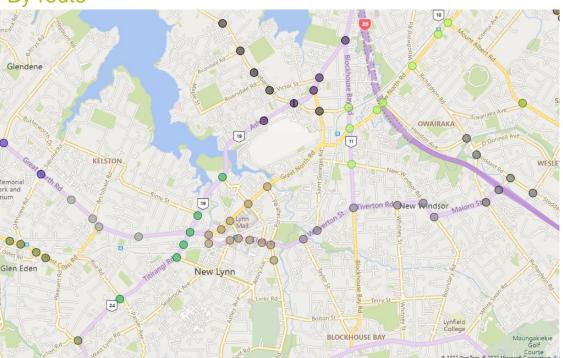






Identify Signal Location

By route

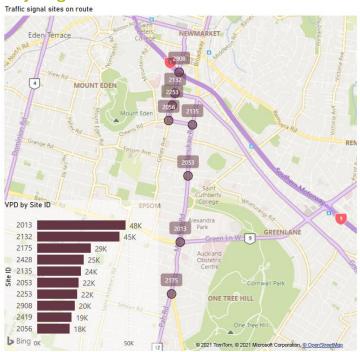


Map visual
Shows the location of signal
Colour coded by route



Display Traffic Volume

By signalised intersection



Map Visual with bar chart
Shows the location of signal
Traffic volume of each signal





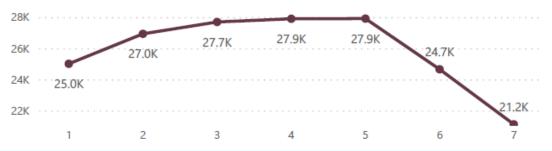
Route Average Volume

By duration

VPD by Month



VPD by Day of Week



Line Chart Visual

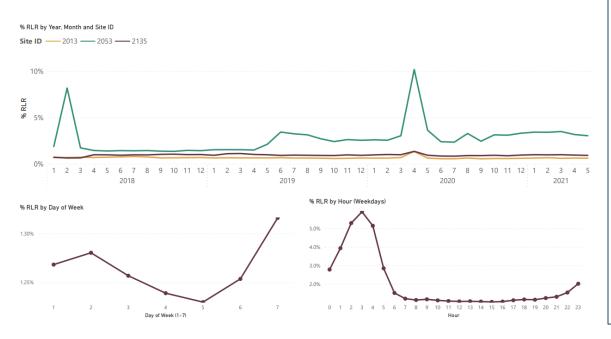
Average volume by month or day





Red Light Running

By duration



Line Chart Visual

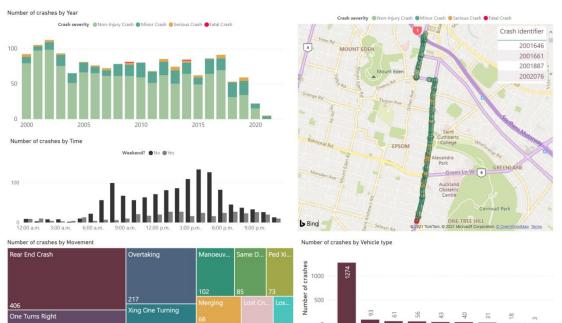
Percentage of red light runner





Crash Analysis

By Route



Combined Dash Board (Multiple Visuals)

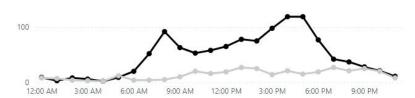
Shows a summary of crashes on a route



Number of crashes by Year

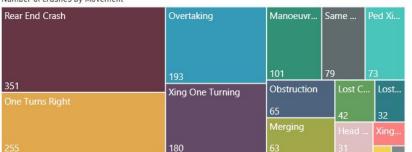


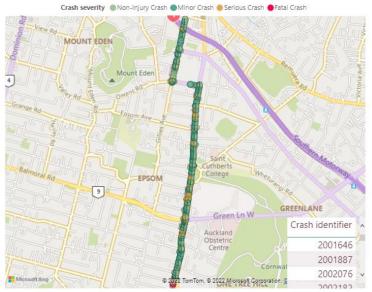
Number of crashes by Time



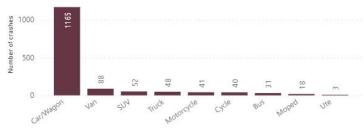
── Weekday ── Weekend

Number of crashes by Movement





Number of crashes by Vehicle type



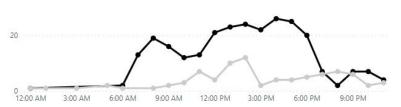




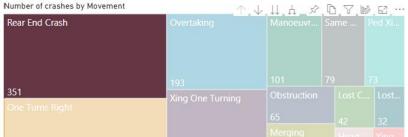
Number of crashes by Year

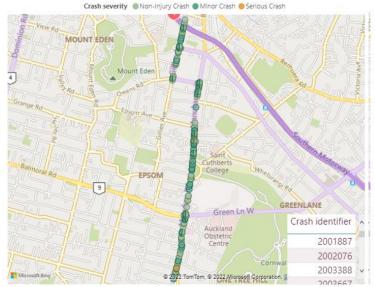


Number of crashes by Time

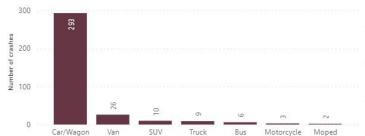


→ Weekday — Weekend





Number of crashes by Vehicle type





351



Pedestrian Performance

By Site



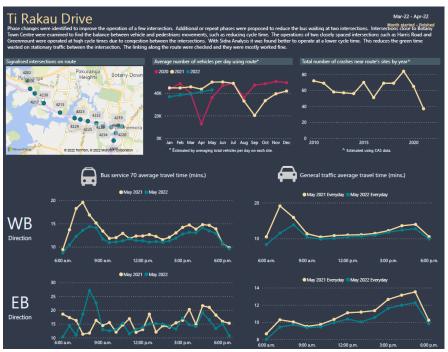
Line Chart Visual
Shows pedestrian delay





Travel Time Report

By Route



Combined Dash Board (Multiple Visuals)

Shows the bus and vehicle travel time, before and after signal optimisation







