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Overview of presentation (300 word maximum)

Include details of topic scope, key findings, and any issues for discussion or further investigation

The AMA carried out a suicide resilience study to assess the impact that these events have on the network. The study also gave treatment options for prioritisation.

New Zealand has an increasing issue with suicide; a record 569 people died from June 2014- May 2015. Suicide is also a significant issue for the Auckland Motorway Network (AMA). On average 2 fatalities are assessed by the coroner annually with the highest concentration being from the Auckland Harbour Bridge (average 1 every 2 years). The fatalities as well as the non-fatal attempts, although tragic for those involved and their families, can also cause significant congestion to the network. The congestion occurs when traffic lanes are required to be closed for response, recovery and investigation.

This study assessed the likelihood and consequence of suicide events in ten key areas on the AMA network. The likelihood of an event was determined by a combination of actual events as well as the number of call outs recorded to the Auckland Traffic Operations Centre of suspicious behaviour. These events were then mapped to determine the ten areas assessed.

The consequence of events was determined by use of the Auckland Motorway Alliance Cell Transmission Model. This model determines total delay effect on the network due to network changes. For each area, various scenarios (e.g. where, what time, how many lanes affected) were run to determine the likely Total Delay per event.

The total risk (and risk per bridge) was found from a combination of the likelihood and consequences above. The risk for each area will be used to prioritise screens, help seeking measures, third party intervention tools and influence incident response procedures.

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