

17 February 2020

[REDACTED]
[REDACTED]

Ref: OIA-6357

Dear [REDACTED]

Request made under the Official Information Act 1982

Thank you for your official information request of 3 February 2020. Your request is quoted below:

Please supply all information about the road cooling method used in this video, the evidence that this works, how you measure the roads' temperatures (before and after) and what other roads this action is performed on, and cost for the last year.

The cooling of the road surface on State Highway 20 (SH20) on 3 February 2020 was undertaken as a proactive measure to prevent the tacking of bitumen that had been applied to the surface the previous night.

Waka Kotahi, the NZ Transport Agency periodically applies a "rejuvenation" treatment on sections of the Auckland motorway network. This treatment was successfully trialled in 2017 and has been used since 2019.

In late January 2019, the treatment was applied to a section of the Northern Motorway (State Highway 1). Due to the hot ambient temperature and heat generated from slow-moving vehicles, the surface became quite tacky, with bitumen sticking to tyres and the underside of vehicles. The surface was cooled at that time, to prevent the bitumen sticking to vehicle tyres.

We learned from that experience and were proactive in cooling the road surface on SH20 on 3 February 2020.

We did not measure the road surface temperature before or after cooling. The cost of cooling was covered from our existing maintenance contract and the Transport Agency did not incur any additional costs.

In accordance with NZ Transport Agency policy, this response will be published on the Transport Agency website shortly. Your name and contact details will be withheld in order to protect your privacy.

If you would like to discuss this reply with the Transport Agency, please contact Andrea Williamson, Manager, Auckland System Management Alliance, by email to andrea.williamson@nzta.govt.nz.

Yours sincerely



Wayne Oldfield
Senior Manager System Management