

19 March 2026

Tim  
fyi-request-33778-2fb18477@requests.fyi.org.nz

REF: OIA-21200

Dear Tim

### **Request made under the Official Information Act 1982**

Thank you for your email of 19 February 2026 requesting information relating to the operation of the traffic signals at the intersection of State Highway 2 (SH2) and Moonshine Road under the Official Information Act 1982 (the Act).

I will respond to each aspect of your request in turn below.

***1. Please provide any and all analyses, predictions, or documentation you did on the impact on traffic at this intersection, both during the project and before the project - as part of a business case, impact analysis, or any other activity.***

During the planning and delivery of the SH2 / Moonshine Road safety project, the New Zealand Transport Agency Waka Kotahi (NZTA) undertook traffic modelling and safety analysis to inform the decision to install traffic signals at this location.

The following documents fall within the scope of this part of your request and are enclosed:

- **Attachment 1: Moonshine Hill Road cost benefit analysis**  
For context, this document sets out the safety and cost-benefit analysis used to assess the suitability of traffic signals as a safety intervention at this intersection, including expected reductions in deaths and serious injuries.
- **Attachment 2: Moonshine Hill modelling**  
For context, this document contains the traffic modelling undertaken prior to installation, showing the expected effects of the signals on traffic movements during peak and off-peak periods, including anticipated delays for different approaches.

These documents represent the traffic impact analyses undertaken prior to installation. NZTA does not hold any additional pre-implementation traffic impact analysis documents beyond those provided.

***2. Please provide any and all analyses or documentation that you did of the actual impact on traffic after the traffic lights were turned on. This might be part of the project or might have been done outside the project.***

Following commissioning of the traffic signals, NZTA has not undertaken a formal post-implementation traffic impact analysis and has not produced any written documents analysing actual traffic impacts after the signals were activated.

The intersection is monitored operationally as part of day-to-day network management rather than through discrete post-project evaluation reports.

As no post-implementation traffic impact analysis documents exist, this part of your request is refused under section 18(e) of the Act.

***3. Please provide all documents describing how you plan to monitor and change the traffic light sequencing to manage the traffic going through this intersection, and how you've currently configured the light sequencing.***

The SH2 / Moonshine Road intersection is monitored daily by the Wellington Transport Operations Centre (WTOC) as part of its management of the wider SH2 corridor.

The traffic signals operate using an adaptive system that responds to real-time traffic demand. Signal timings automatically increase or decrease based on vehicle presence detected at the intersection rather than operating to fixed timings.

The SH2 northbound movement is prioritised and will rest in that phase when there are no side-road demands. Side-road phases operate only when a vehicle is present. Because the system is adaptive, signal timings fluctuate throughout the day. The phase sequencing at this intersection has not changed since the intersection was commissioned.

To provide an indicative overview of how the signals operate during peak periods, average phase timing data has been extracted from our system:

- **Attachment 3: Phase statistics**

For context, this spreadsheet shows average signal phase timings during the morning (7:00am–9:00am) and afternoon (4:00pm–6:00pm) peak periods across three weekdays in early March 2026. The data is indicative only and reflects the adaptive operation of the signals.

Under section 28 of the Act, you have the right to ask the Ombudsman to review my decision to partially refuse this request. The contact details for the Ombudsman can be located at [www.ombudsman.parliament.nz](http://www.ombudsman.parliament.nz).

In line with NZTA policy, this response will soon be published on our website, with personal information removed.

If you would like to discuss this reply with NZTA, please contact Ministerial Services by email to [official.correspondence@nzta.govt.nz](mailto:official.correspondence@nzta.govt.nz)

Yours sincerely



**Jackie Smith**  
Manager, Ministerial Services