MR A POWELL ASKED MINISTER FOR TRANSPORT AND MAIN ROADS (HON M BAILEY)—

QUESTION:

With reference to Question on Notice No. 474 asked on 24 May 2022 and the Minister's comment that roadside infrastructure is deployed at 37 traffic lights—

Will the Minister advise the data metrics that will be transmitted to the cloud or vehicle from the equipment and how this data is used in common navigation services such as Google Maps, Apple Maps and Waze?

ANSWER:

I thank the Member for Glass House for the question.

The Department of Transport and Main Roads (TMR) piloted European standard compliant Cooperative Intelligent Transport Systems (C-ITS) through the Ipswich Connected Vehicle Pilot (ICVP). C-ITS enables connected vehicles, roadside stations and cloud systems to share information to generate safety alerts for drivers. In the context of the South East Queensland network, the pilot confirmed a potential 20 per cent reduction in crashes if C-ITS was deployed in vehicles.

With the support of the Australian Government, TMR has deployed roadside stations at 37 traffic lights along the Bruce Highway. The data transmitted includes a detailed map of the intersection and the traffic light colour relevant to each lane. Connected vehicles can use this data to generate safety critical messages for the driver. As referred to in my response to Question on Notice 474— tabled on 23 June 2022—the number of vehicles in Queensland with the necessary equipment that can use this data is 38 public vehicles and 30 government vehicles.

The Ipswich and Bruce Highway deployments both include the C-ITS cloud, which facilitates data exchange with a latency of 10 seconds—acceptable for applications such as the location of the back of queue on motorways, variable speeds limits and advisory curve speed warning. This data has not been provided to industry in the past. As of 30 June 2022, this data was made available to navigational service providers. It is up to each provider as to how they consume and present data to their customers. None of the data provided is private data, and TMR does not collect any data back from the third parties or their users.

As part of the ICVP and Bruce Highway projects, TMR has deployed 66 roadside stations. Other states in Australia have deployed in excess of 30 roadside stations. TMR is working collaboratively with other jurisdictions, the Australian Government and industry towards harmonisation of data standards for Australia, which will accelerate uptake, use and consistency.

The Palaszczuk Government is delivering its seventh record transport and roads infrastructure program in a row, as detailed in the *Queensland Transport and Roads Investment Program 2022–23 to 2025–26*, which outlines $29.7 billion in investment over the next four years and is estimated to support an average of 25,200 direct jobs over the life of the program.