

Beach Road Truck Camera Trial

VicRoads did origin-destination surveys along Beach Road using camera technology to understand how trucks use Beach Road during curfew and non-curfew periods.

What is an Origin-Destination survey?

We get data that shows travel patterns and the different routes vehicles use. This process gives us information on where a vehicle started and ended its journey by setting up cameras and other monitoring equipment.

Where did you collect data?

We set up along Beach Road at Bay Street, Port Melbourne; Glen Huntly Road, Elwood; and Balcombe Road, Black Rock.

Truck travel patterns were recorded by capturing number plates of trucks passing a camera and then matching these to determine where trips started and ended. This helped us determine how many trucks made *local* trips and how many made *through* trips along Beach Road.

What are local and through trips?

A *local* trip is where a truck (in this case) has:

- A specific need to travel along Beach Road to access a place (e.g. deliver/pick up goods to/from a shop, house, etc.)
- Needs to pass no truck sign/s to access this place
- There is no other practical route by which the truck could reach this place

All other trips are considered to be *through* trips where a truck has no specific destination on Beach Road and travelled along Beach Road to reach a destination located on another part of the network.

Findings

During the current curfew period (Wednesday 5 October 2016 between 8pm and 6am):

- A total of 47 trucks were captured, of which:
 - 40 trucks (85%) were rigid vehicles
 - 7 trucks (15%) were articulated vehicles
- 39 trucks (83%) had a *local* destination
- 8 trucks (17%) made a *through* trip, of which:
 - 7 were between Bay Street & Glen Huntly Road
 - 5 occurred between 5am and 6am – just prior to the end of the current curfew period
 - None made the entire trip between Bay Street and Balcombe Road

During the current weekend non-curfew period (Saturday 8 October 2016 between 6am and 1pm):

- A total of 381 trucks were captured, of which:
 - 331 trucks (87%) were rigid vehicles
 - 50 trucks (13%) were articulated vehicles
- 199 trucks (52%) had a *local* destination
- 182 trucks (48%) made a *through* trip, of which:
 - 124 (68%) made the trip between Bay Street & Glen Huntly Road



Next Steps

In 2017 we will work with and ask input from local residents, traders, industry, local agencies, wider community and stakeholders to develop future arrangements for Beach Road.