



RADAR MEDIATED INTERSECTION

TOWNSVILLE, 2014

CASE STUDY

Located just 200 metres from the Bruce Highway intersection, this section of Southern Port Road carries a high percentage of road trains and heavy vehicles – resulting in increased traffic congestion and early fatiguing of pavement due to the high volume of heavy vehicles braking and accelerating from signalised intersection.

The solution was to deploy a J1-LED Taipan to detect road trains, heavy vehicles, oversize loads and slowed traffic conditions and respond by triggering an extended green signal phase and an advanced motorist warning system to advise drivers of an incident or changed conditions.

After installation, the reported benefits went beyond improving traffic flow and decreasing road damage. They also included minimal infrastructure costs due to wireless communication and solar powered install, road train fuel consumption savings & associated greenhouse gas reductions, reduced travel times for local & commercial vehicles and a reduced risk for vehicle impacts.

J1 helps you on **your way.**

DELIVERABLES

- ✓ Multi-lane radar & site controller (Taipan)

PARTNERS

- ✓ Transport & Main Roads Queensland

