







City	No of traffic signal	SCATS Traffic Management		Route Optimisation			
	intersections						
		Budget	No of staff	Budget	Frequency of Optimisation	No o staf	
Melbourne (VicRoads)	2000	A\$2.1 million p.a	12	A\$1.2 million p.a.	30% of the network per year	12	
Sydney NSW RTA)	2000	A\$2.4 million p.a.	13	A\$1.0 million p.a.	30 to 50 % of the network per year	12	
Adelaide (SA ACTS)	700	A\$2.7 million p.a.	12	A\$1.0 million p.a.	50% of the network per year	14	
Auckland (TMU)	650 + 30 ramp signals	NZ\$400K p.a	3	< NZ\$200K	Ad hoc: 5% approx	3	

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Pilot Studies - Takanini
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Pilot Studies – Lincoln Road Results

- AM Peak journey time reduction of between
- IP Peak journey time reduction of between
- PM Peak journey time reduction of between

Potential for Annual Congestion and Energy Savings in Auckland Region

- Fuel savings of 10.3 million litres
- CO₂ reduction of **26,000 tonnes**
- Total time savings of 3,045,725 hrs
 Financial benefits of \$55.7 million



These results are equivalent to removing 9,300 private cars from Auckland's road system.

Yr 1	Yr 2	Yr 3	Yr 4	Yr 5
System Setup Hire/Train Resources Priorities Sites Review 10% of sites	Training Review 20% of Sites Implement 15% of sites	30% of Network Reviewed Implement 25% of sites	30% of Network reviewed and Implement 30% improvements	Ongoing 30% of sites reviewed and implemented

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Recommendations

- On-going funding
- Funding to be at a level similar to Australian cities
- This would enable optimisation of 30% to 50% of identified routes per year.
- of identified routes per year.



