

Kingborough Trial

4.2 Changes in mean free travel speeds

Table 1 shows for each site, the Baseline and 24-month mean free travel speeds for the different road categories and municipalities.

TABLE 1: Mean free travel speeds at the thirteen sites for the Baseline and 24-month periods.

Location no	Mean free travel speeds			Standard deviation		No. of vehicles	
	Base-line	24-month	% Change	Base-line	24-month	Base-line	24-month
Sealed roads - Kingborough							
1.00	96.4	92.6	-4%	9.8	9.3	19793	69871
2.00	51.8	62.9	21%	13.2	11.2	3391	6222
4.00	84.0	81.8	-3%	8.3	7.7	37179	31301
5.00	73.0	74.1	2%	7.3	7.4	26496	30834
6.00	75.7	76.9	2%	11.6	11.0	1682	1727



<i>S/total</i>	82.1	81.2	-1.1%	-	-	88541	139955
Sealed roads - Central Coast							
13.00	83.8	82.0	-2%	16.0	16.3	2979	4843
14.00	77.7	77.2	-1%	11.0	11.2	2290	3778
15.00	64.5	61.4	-5%	17.1	15.2	309	1814
16.00	91.8	89.5	-3%	15.9	13.6	1602	7659
<i>S/total</i>	82.8	81.2	-1.9%	-	-	7180	18094
Gravel roads - Kingborough							
7.00	76.9	74.7	-3%	14.7	14.5	1911	2316
8.00	65.7	63.2	-4%	13.2	12.8	278	384
9.00	72.7	71.3	-2%	12.3	11.0	1896	2064
10.00	55.5	50.1	-10%	14.9	13.2	990	2833
<i>S/total</i>	70.6	68.2	-3.4%	-	-	5075	7597

NOTE: 'Free travel speed' has been based on a headway of 5.0 seconds or greater. Speed measurements pertain to travel in either direction at the specified sites. '% change' is the change in the 24-month mean travel speed, expressed as a proportion of the Baseline mean travel speed. A negative % change indicates a reduced speed over the course of the Demonstration.

Considering the changes in mean free travel speeds at sites on sealed roads after twenty-four months:

- in the Kingborough municipality, three of the five sites showed increases in mean free travel speeds while two sites showed reductions. Except for one site, changes in mean free travel speeds between the 'Baseline' and '24-month' periods amounted to only a few percentage points. Only one site (Location 2) showed a substantial change, an increase of 21 percent¹. Overall, there was a 0.9 km reduction in the mean free travel speed; and
- in the Central coast municipality, all four sites showed a reduction in mean free travel speeds, with an overall fall of 1.6 km.