

(g) AVERAGE WEIGHT OF MOTOR-VEHICLES ON THE HIGHWAYS.

The average weight of each type of motor-vehicle was estimated, and a comparison of the weight of the average motor-vehicle on the road in each highway district is afforded by Table H:—

Table H.—Comparison of Weights of Motor-vehicles in each District.

Highways District.				Average Daily Ton-miles on the System.	Average Daily Number of Vehicle-miles.	Average Weight per Vehicle, in Tons.
Auckland North	..	..	..	175,540	111,961	1.57
Auckland South	..	..	..	396,703	246,062	1.61
Tauranga	..	..	..	163,128	99,896	1.63
Gisborne	..	..	..	82,614	48,252	1.71
Napier	..	..	..	215,569	128,923	1.67
King-country	..	..	..	78,615	48,241	1.63
Taranaki	..	..	..	145,026	93,837	1.55
Wanganui	..	..	..	113,519	73,320	1.55
Wellington West	..	..	..	207,568	126,756	1.64
Wellington East	..	..	..	96,722	56,834	1.70
North Island	..	..	..	1,675,004	1,034,082	1.62
Nelson	..	..	..	102,752	61,160	1.68
West Coast	..	..	..	77,189	41,932	1.84
Canterbury North	..	..	..	38,041	23,819	1.60
Canterbury Central	..	..	..	168,776	112,373	1.50
Canterbury South	..	..	..	153,303	103,036	1.49
Otago Central	..	..	..	109,716	72,931	1.51
Otago South	..	..	..	126,520	82,398	1.54
Southland	..	..	..	158,260	94,864	1.67
South Island	..	..	..	934,557	592,513	1.58
New Zealand..	..	..	..	2,609,561	1,626,595	1.61

(h) PASSENGERS AND GOODS TRAFFIC.

From the analysis of traffic according to types of vehicles it is possible to obtain some idea of the volume of passenger traffic and the movement of goods. These figures are based upon rather arbitrary assumptions which, however, were made after a careful study of all available data. In the case of passengers it was estimated that on the average 2.9 persons were carried per private motor-car; 4.0 and 7.0 passengers per service car and per omnibus respectively; and 1.2 persons per motor-cycle.

In regard to the average pay-loads of goods-vehicles, a reasonable allowance would probably be half the weight of the maximum pay-load available for each class of truck.

The results obtained from this investigation are set out in Tables (I) and (J) below.

Table I.—Estimated Annual Passenger Traffic on Main-highway System.

Highways District.	Mileage.	Annual Passenger Mileage.				Average Daily Number of Passengers Carried on Main-highways System.
		Private Cars.	Public Passenger Vehicles.	Motor-cycles.	All Passenger Vehicles.	
Auckland North	930 $\frac{3}{4}$	75,781,300	5,388,495	2,982,415	84,152,210	247.7
Auckland South	1,022	176,084,760	11,526,335	5,873,945	193,485,040	518.7
Tauranga	680 $\frac{3}{4}$	71,369,545	5,126,060	1,395,760	77,891,365	313.5
Gisborne	362 $\frac{3}{4}$	32,854,745	3,837,610	1,386,270	38,078,625	287.6
Napier	702	92,289,520	10,293,365	2,568,870	105,151,755	410.4
King-country	652 $\frac{1}{2}$	33,098,200	1,915,520	910,675	35,924,395	150.8
Taranaki	442 $\frac{1}{2}$	68,087,830	2,315,925	3,374,060	73,777,815	456.8
Wanganui	483 $\frac{1}{4}$	55,963,990	2,125,395	1,771,710	59,861,095	339.4
Wellington West	455	95,419,395	6,130,175	2,713,410	104,262,980	627.8
Wellington East	474 $\frac{1}{2}$	38,565,535	3,589,410	1,197,565	43,352,510	250.3
North Island	6,206	739,514,820	52,248,290	24,174,680	815,937,790	360.2
Nelson	640 $\frac{1}{2}$	38,596,195	4,720,545	1,854,200	45,170,940	193.2
West Coast	519 $\frac{3}{4}$	23,254,150	3,005,775	1,334,440	27,594,365	145.5
Canterbury North	330 $\frac{1}{4}$	16,929,795	1,725,355	624,150	19,279,300	159.9
Canterbury Central	668	82,311,150	4,189,105	4,445,700	90,945,955	373.0
Canterbury South	737 $\frac{1}{2}$	79,244,785	3,595,615	2,476,525	85,316,925	316.9
Otago Central	749 $\frac{3}{4}$	54,755,110	3,614,960	1,745,065	60,115,135	219.7
Otago South	465 $\frac{1}{4}$	62,735,105	4,949,765	1,730,830	69,415,700	408.8
Southland	859	66,297,140	5,041,380	2,038,160	73,376,680	234.0
South Island	4,970	424,123,430	30,842,500	16,249,070	471,215,000	259.8
New Zealand	11,176	1,163,638,250	83,090,790	40,423,750	1,287,152,790	315.5