

# APPENDIX B

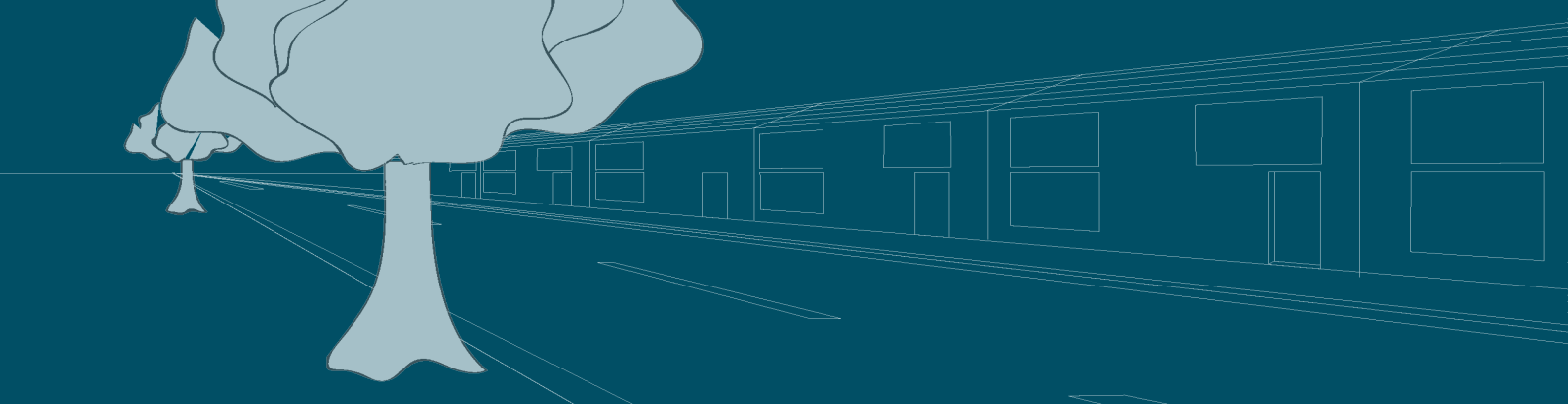
## PAVEMENT DESIGN CHARTS

Table 24: Typical Design Traffic Data

ROAD TYPE		TRAFFIC DIRECTION FACTORS AVERAGE			ANNUAL AVERAGE DAILY TRAFFIC (TWO WAY)		
		TRAFFIC LANES	DIRECTION FACTOR	LANE DISTRIBUTION	AADT (VPD)	% HV's (%)	%HV's (HVPD)
ACCESS LANE	Lower Range	2	0.5	1.00	300	3%	9
	Upper Range	2	0.5	1.00	300	4%	12
ACCESS PLACE	Lower Range	2	0.5	1.00	300	4%	12
	Upper Range	2	0.5	1.00	1,000	5%	50
ACCESS STREET – LEVEL 1	Lower Range	2	0.5	1.00	1,000	5%	50
	Upper Range	2	0.5	1.00	2,000	6%	120
ACCESS STREET – LEVEL 2	Lower Range	2	0.5	1.00	2,000	6%	120
	Upper Range	2	0.5	1.00	3,000	7%	210
CONNECTOR STREET	Lower Range	2	0.5	1.00	3,000	7%	210
	Upper Range	2	0.5	1.00	7,000	8%	560
ARTERIAL ROAD – 2 LANE	Lower Range	2	0.5	1.00	7,000	8%	560
	Upper Range	2	0.5	1.00	12,000	9%	1,080
ARTERIAL ROAD – 4 LANE	Lower Range	4	0.5	1.00	12,000	9%	1,080
	Upper Range	4	0.5	1.00	60,000	10%	6,000



TRAFFIC GROWTH PARAM.			DESIGN VEHICLE LOAD PARAM.			COMPUT DESIGN TRAFFIC IN. THE DESIGN LANE		
PERIOD (YEARS)	GROWTH RATE	GROWTH FACTOR	HVAG's PER HV	ESAs PER HVAG	ESA'S PER HV	HVs (HVPD)	NDT (HVAG's)	DESA (ESA's)
20	0.0%	20.00	2.00	0.25	0.50	5	7.3E+4	1.8E+4
20	0.5%	20.98	2.10	0.30	0.63	6	9.6E+4	2.9E+4
20	0.5%	20.98	2.10	0.30	0.63	6	9.6E+4	2.9E+4
20	1.0%	22.02	2.20	0.35	0.77	25	4.4E+5	1.5E+5
20	1.0%	22.02	2.20	0.35	0.77	25	4.4E+4	1.5E+5
20	1.5%	23.12	2.25	0.40	0.90	60	1.1E+6	4.6E+5
20	1.5%	23.12	2.25	0.40	0.90	60	1.1E+6	4.6E+5
20	2.0%	24.30	2.30	0.45	1.04	105	2.1E+6	9.6E+5
20	2.0%	24.30	2.30	0.45	1.04	105	2.1E+6	9.6E+5
20	2.5%	25.54	2.35	0.50	1.18	280	6.1E+6	3.1E+6
20	2.5%	25.54	2.35	0.50	1.18	280	6.1E+6	3.1E+6
20	3.0%	26.87	2.40	0.55	1.32	540	1.3E+7	7.0E+6
20	3.0%	26.87	2.40	0.55	1.32	540	1.3E+7	7.0E+6
20	3.0%	26.87	2.45	0.55	1.47	3,000	7.2E+7	4.3E+7



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Figure 3: Pavement Design Chart

