

Attachment 1: Journey travel time and traffic count data

Traffic Count data

Figure 1 Shows the average weekday traffic volumes on the local roading network prior to the trial, during and post B2B construction. A substantial increase in traffic volume was experienced on Links Avenue during construction of B2B from an average daily traffic volume of 3635 to 6944.

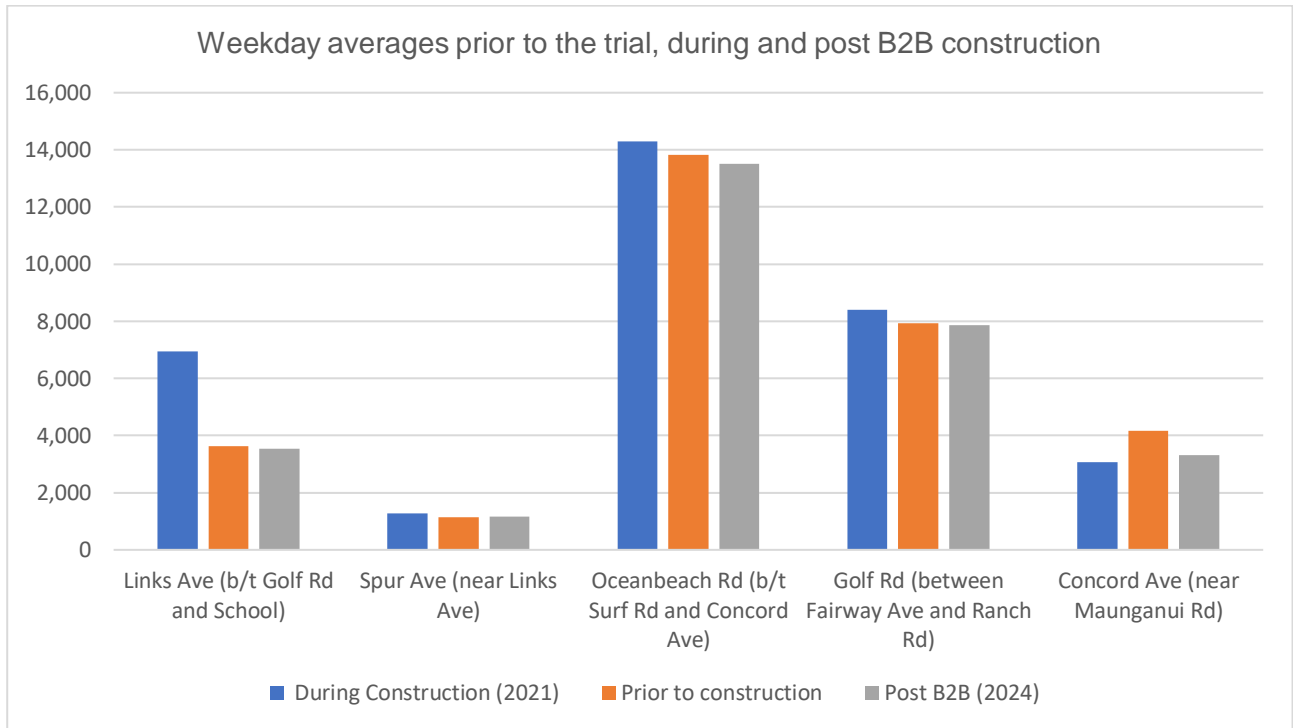
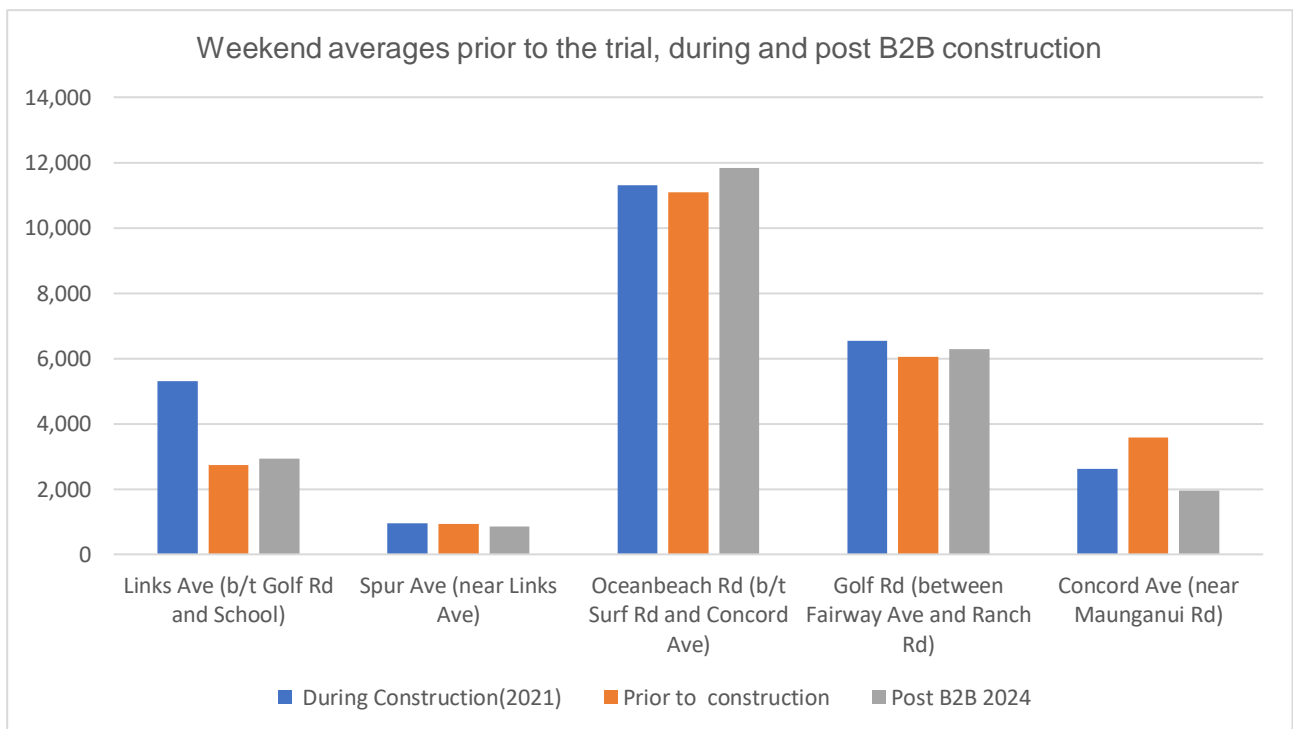


Figure 2 shows the average weekend traffic volumes on the local network prior to the trial, during and post B2B, noting that weekend restrictions lifted in June 2023. All roads saw a small increase in traffic volumes compared with prior to trial, with the exception of Concord Avenue.



Journey travel time data

Travel time data has been assessed to determine changes in travel times during and following B2B construction across various routes. The assessment is based on weekday peak periods, 7:30 AM to 8:30 AM, and 4:30 PM to 5:30.

Table 1 below shows that travel times heading towards Arataki and Papamoa from Aerodrome Rd or Golf Rd in the PM peak have drastically improved.

Link Travel Time - PM Peak (Seconds)	Oct '23	Apr '24	May '24	% from Oct '23	
				Apr '24	May '24
(1010) TCC - SH2, Bayfair to Baypark	183	68	60	-63%	-67%
(1016) TCC - SH2, Te Maunga to Sandhurst	87	88	86	0%	-1%
(938) TCC - Oceanbeach Road, Golf to Concord	134	119	116	-11%	-13%
(940) TCC - Golf Rd, Links to Oceanbeach	230	86	83	-62%	-64%
(945) TCC - Golf Road, Maunganui to Links	20	12	13	-39%	-35%
(954) TCC - Hewletts Rd, Aerodrome to Maunganui	109	72	80	-34%	-26%
(956) TCC - SH2, Aerodrome to Concord	416	140	141	-66%	-66%
(960) TCC - SH2, Concord to Bayfair	163	98	68	-40%	-59%
(970) TCC - Oceanbeach Rd, Concord to Given	78	68	72	-13%	-7%

TCC Road

Table 2 shows that travel times from Arataki and Papamoa to Aerodrome Rd or Golf Rd during the AM peak have either not improved or worsened, with the exception being travel times between Sandhurst to Te Maunga.

Link Travel Time - AM Peak (Seconds)	Oct '23	Apr '24	May '24	% from Oct '23	
				Apr '24	May '24
(1009) TCC - SH2, Baypark to Bayfair	72	152	128	112%	78%
(1015) TCC - SH2, Sandhurst to Te Maunga	244	139	134	-43%	-45%
(939) TCC - Oceanbeach Road, Concord to Golf	223	242	266	9%	19%
(941) TCC - Golf Rd, Oceanbeach to Links	81	109	78	34%	-3%
(944) TCC - Golf Road, Links to Maunganui	30	34	33	13%	8%
(955) TCC - Hewletts Rd, Maunganui to Aerodrome	68	70	78	2%	13%
(957) TCC - SH2, Concord to Aerodrome	372	433	398	16%	7%
(961) TCC - SH2, Bayfair to Concord	61	100	88	65%	45%
(971) TCC - Oceanbeach Road, Given to Concord	125	162	161	29%	28%

TCC Road