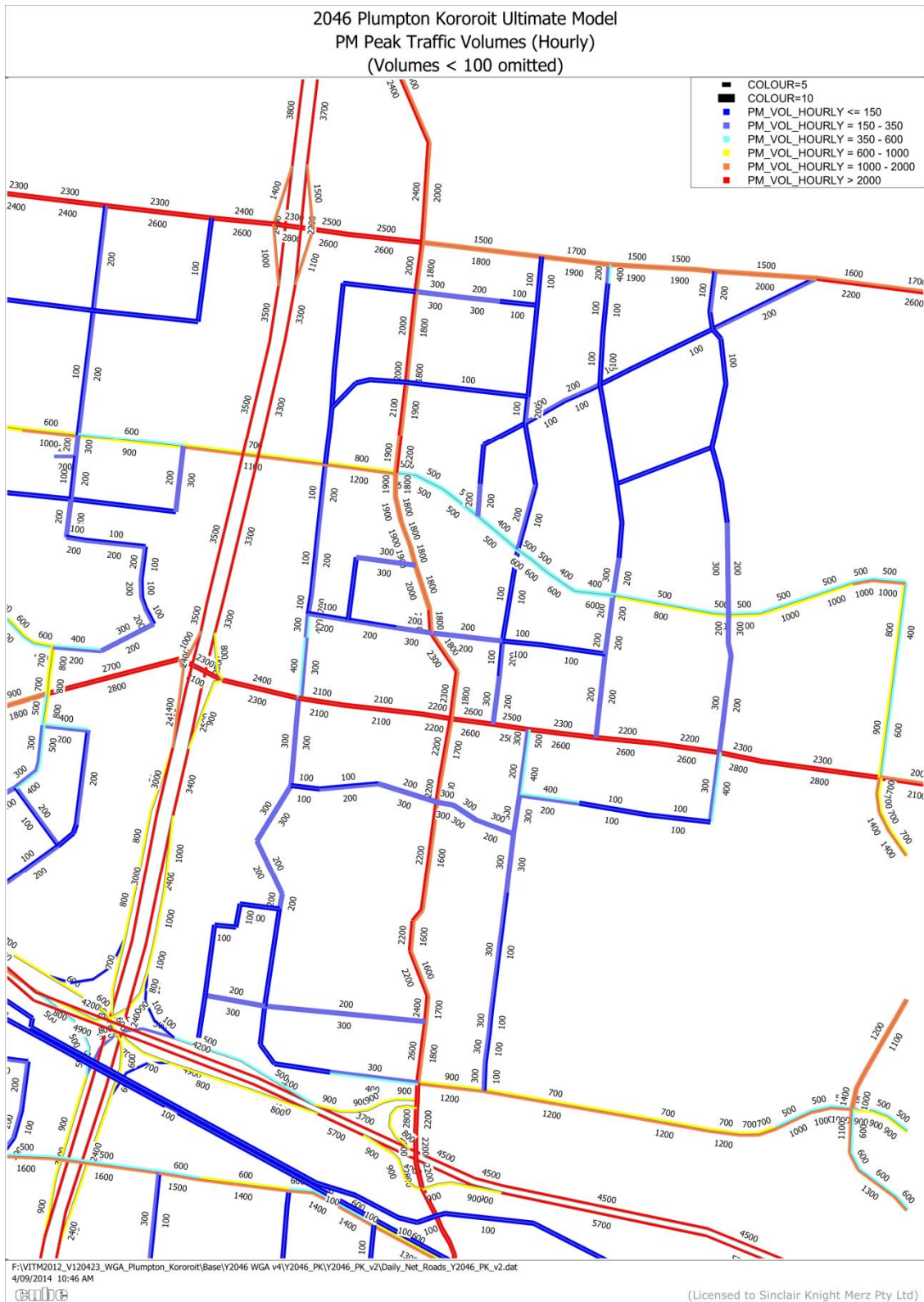
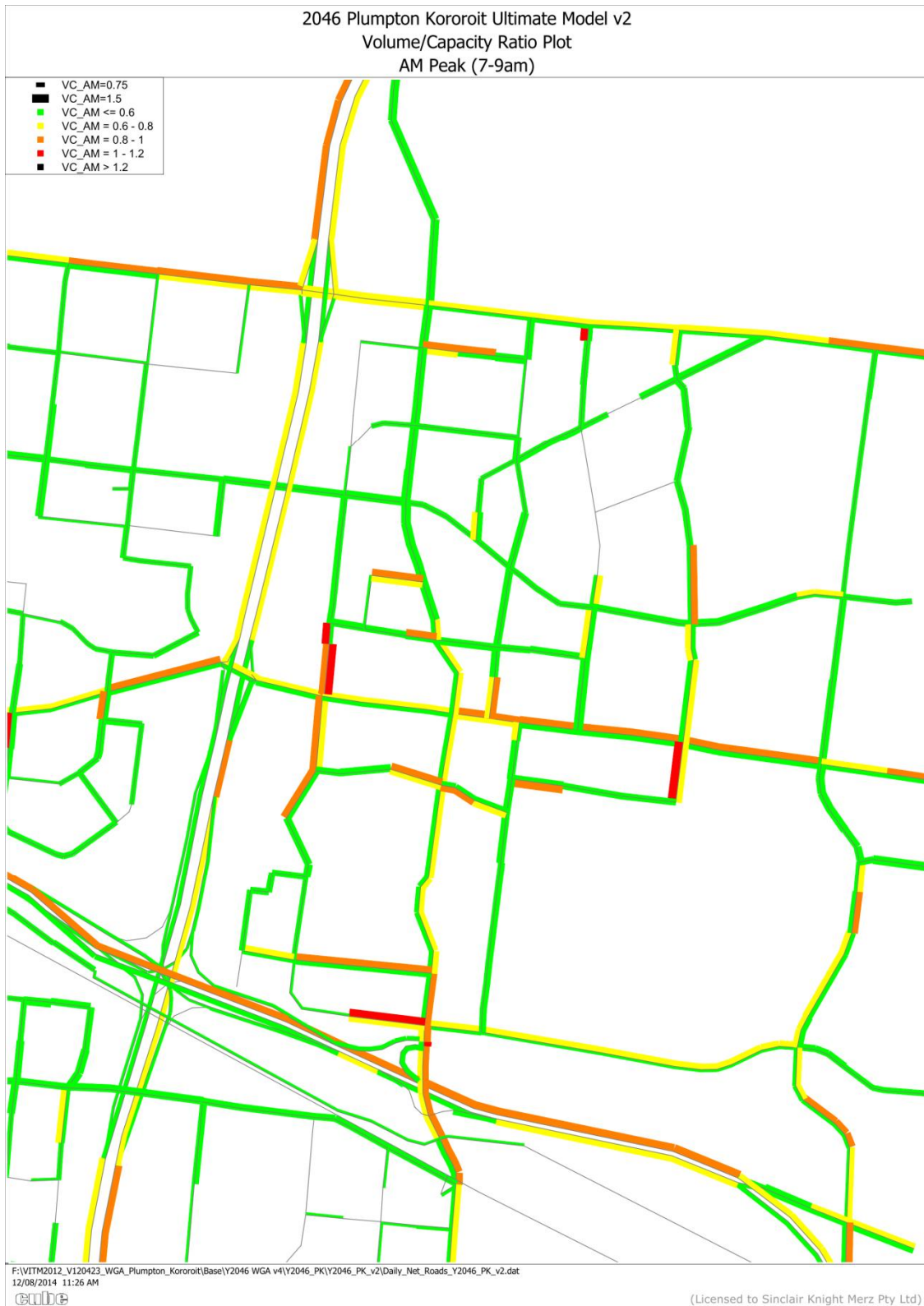


Appendix A. 2046 Reference Case Model Results











PSP 1078 Plumpton and PSP 1080 Kororoit:
Transport Modelling Report



Plumpton Kororoit 2046 Ultimate v2			Traffic Volumes																				V/C		V/C	
			AM		IP		PM		OP		Daily		AM		IP		PM		OP		Daily					
			(7am-9am)		(9am-6pm)		(3pm-6pm)		(6pm-7am)		24 Hour		(7am-9am)		(9am-3pm)		(3pm-6pm)		(6pm-7am)		24 Hour					
Type:	Location:	Flow:	Light	Heavy	Light	Heavy	Light	Heavy	Light	Heavy	Light	Heavy	All	All	All	All	All	All	All	All	All	AM	PM			
Plumpton Kororoit (N-S Roads)	Plumpton Road north of Turlington Road	S BD	14	0	51	0	110	0	40	0	216	1	14	52	110	40	216	0.02	0.10							
		N BD	62	0	84	1	42	0	45	0	233	1	62	84	43	45	234	0.09	0.04							
	Plumpton Road south of Turlington Road	S BD	149	0	556	0	605	1	234	0	1,544	1	149	557	606	234	1,545	0.21	0.58							
		N BD	337	1	600	0	431	0	240	0	1,608	1	338	600	431	240	1,609	0.48	0.41							
	Plumpton Road north of Taylors Road	S BD	726	5	1,896	11	986	1	1,221	2	4,828	20	731	1,907	987	1,223	4,848	0.88	0.94							
		N BD	561	1	1,849	15	1,178	9	1,192	3	4,779	28	562	1,863	1,187	1,195	4,807	0.80	0.88							
	Plumpton Road south of Taylors Road	S BD	480	0	1,165	1	1,015	1	761	0	3,421	2	480	1,166	1,016	761	3,423	0.69	0.97							
		N BD	615	1	1,361	2	832	0	-	-	2,808	2	615	1,363	832	-	2,810	0.88	0.79							
	Plumpton Road north of Neales Road	S BD	144	0	318	1	174	1	-	-	636	2	144	319	175	-	638	0.21	0.17							
		N BD	74	0	238	1	244	0	-	-	555	1	74	239	244	-	557	0.11	0.23							
	Hopkins Road south of Melton Highway	S BD	2,697	83	8,604	313	5,230	129	3,494	160	20,025	684	2,780	8,917	5,359	3,654	20,709	0.47	0.60							
		N BD	2,283	118	8,018	384	5,975	110	-	-	16,276	613	2,401	8,403	6,085	-	16,889	0.41	0.68							
	Hopkins Road immediately west of Major Town Center	S BD	2,658	122	8,071	366	6,550	114	3,756	166	21,035	768	2,780	8,437	6,664	3,923	21,803	0.47	0.75							
		N BD	3,079	113	8,532	460	5,519	175	3,650	165	20,779	915	3,192	8,992	5,694	3,814	21,692	0.54	0.64							
	Hopkins Road south of Turlington Road	S BD	2,987	129	7,371	383	5,256	110	3,605	166	19,219	789	3,116	7,754	5,366	3,772	20,007	0.53	0.60							
		N BD	2,693	110	7,442	477	5,506	191	3,604	169	19,245	947	2,803	7,920	5,697	3,772	20,191	0.48	0.64							
	Hopkins Road north of Taylors Road	S BD	3,622	160	7,953	426	5,262	100	3,851	172	20,689	858	3,781	8,380	5,363	4,023	21,547	0.84	0.60							
		N BD	2,487	105	7,364	537	6,615	251	3,874	181	20,340	1,074	2,593	7,901	6,866	4,055	21,415	0.44	0.78							
	Hopkins Road south of Taylors Road	S BD	3,142	223	8,565	554	5,070	110	4,324	207	21,100	1,094	3,365	9,119	5,179	4,531	22,194	0.58	0.58							
		N BD	2,731	110	8,005	741	6,206	305	-	-	16,943	1,156	2,841	8,746	6,511	-	18,098	0.48	0.74							
	Hopkins Road north of Neales Road	S BD	4,125	244	9,981	590	5,142	112	5,166	214	24,414	1,159	4,369	10,570	5,254	5,380	25,573	0.75	0.59							
		N BD	2,510	111	8,736	788	7,442	337	5,294	243	23,982	1,478	2,621	9,524	7,779	5,537	25,460	0.45	0.88							
	Hopkins Road south of Neales Road	S BD	4,565	363	11,912	816	7,324	120	6,023	251	29,825	1,549	4,928	12,728	7,444	6,274	31,374	0.85	0.83							
		N BD	4,484	133	11,401	1,045	9,074	492	6,851	310	31,809	1,980	4,618	12,446	9,566	7,160	33,790	0.78	0.78							
	NS Road 1 south of Melton Highway	S BD	314	1	352	13	395	7	-	-	1,061	20	314	365	402	-	1,081	0.45	0.35							
		N BD	224	4	408	7	332	1	-	-	965	12	228	415	333	-	976	0.33	0.32							
	NS Road 1 north of Turlington Road	S BD	199	7	482	14	388	1	-	-	1,069	21	206	495	389	-	1,090	0.30	0.37							
		N BD	279	1	460	19	450	12	315	10	1,505	43	280	479	462	326	1,547	0.40	0.45							
	NS Road 1 north of Taylors Road	S BD	454	15	1,305	51	710	2	848	17	3,317	84	469	1,356	712	864	3,401	0.68	0.68							
		N BD	441	3	1,219	72	773	25	872	24	3,306	125	444	1,292	798	896	3,431	0.64	0.77							
	NS Arterial 2 south of Melton Highway	S BD	347	2	1,117	31	1,154	25	818	9	3,496	67	349	1,208	1,178	828	3,563	0.50	0.68							
		N BD	718	14	1,358	26	725	1	823	6	3,623	47	732	1,384	726	829	3,671	0.74	0.69							
	NS Arterial 2 between Melton Highway and Turlington Road	S BD	38	0	54	0	50	0	51	0	192	0	38	54	50	51	193	0.05	0.05							
		N BD	25	0	56	0	102	3	-	-	183	3	25	56	105	-	186	0.04	0.10							
	NS Arterial 2 north of Turlington Road	S BD	469	13	774	24	449	1	454	5	2,146	43	482	798	451	459	2,189	0.70	0.43							
		N BD	195	2	671	31	764	25	442	8	2,073	66	197	702	789	450	2,138	0.28	0.76							
	NS Arterial 2 north of Taylors Road	S BD	319	1	1,112	35	496	2	642	7	2,569	55	330	1,147	498	445	2,624	0.49	0.45							
		N BD	320	4	1,026	41	597	14	654	9	2,596	68	324	1,067	610	663	2,664	0.47	0.59							
	Sinclair Road south of Taylors Road	S BD	364	1	1,152	11	1,512	16	719	4	3,747	32	365	1,163	1,528	723	3,778	0.26	0.73							
		N BD	1,041	9	1,309	10	856	1	756	2	3,962	23	1,050	1,320	857	758	3,985	0.75	0.41							
	Sinclair Road between Taylors Road and Neale Road	S BD	533	12	826	23	393	2	426	5	2,178	42	545	850	395	431	2,221	0.39	0.19							
		N BD	208	2	840	32	1,019	23	552	7	2,619	65	210	872	1,043	559	2,684	0.15	0.50							
	Sinclair Road south of Neale Road	S BD	533	12	826	23	393	2	426	5	2,178	42	545	850	395	431	2,221	0.39	0.19							
		N BD	208	2	840	32	1,019	23	552	7	2,619	65	210	872	1,043	559	2,684	0.15	0.50							

Plumpton Kororoit 2046 Ultimate v2			Traffic Volumes																					
			AM		IP		PM		OP		Daily		AM		IP		PM		OP		Daily		V/C	V/C
			(7am-9am)		(9am-3pm)		(3pm-6pm)		(6pm-7am)		24 Hour		(7am-9am)		(9am-3pm)		(3pm-6pm)		(6pm-7am)		24 Hour		AM	PM
Type:	Location:	Flow:	Light	Heavy	Light	Heavy	Light	Heavy	Light	Heavy	Light	Heavy	All	All	All	All	All	All	All	All	AM	PM		
Plumpton Kororoit (E-W Roads)	Melton Highway west of Hopkins Road	E BD	4,149	139	9,442	369	7,259	353	4,375	99	25,225	959	4,288	9,810	7,612	4,473	26,184	0.73	0.87					
		W BD	3,325	194	10,649	443	7,528	287	4,532	59	26,034	983	3,519	11,092	7,815	4,591	27,017	0.60	0.88					
	Melton Highway east of NS Arterial 2	E BD	3,558	147	5,840	382	4,149	266	3,023	94	16,571	889	3,705	6,223	4,416	3,117	17,460	0.63	0.51					
		W BD	1,748	138	5,107	350	5,496	215	2,994	59	15,345	762	1,886	5,456	5,711	3,053	16,107	0.33	0.65					
	EW Road 2 running through Major Town Center	E BD	107	2	311	15	326	10	-	-	744	27	109	327	337	-	772	0.16	0.33					
		W BD	171	9	379	17	241	1	-	-	790	26	179	395	242	-	817	0.26	0.23					
	Turlington Road overpass of OMK west of Plumpton Road	E BD	1,817	3	2,579	8	2,089	6	1,255	2	7,740	17	1,820	2,587	2,094	1,257	7,757	0.51	0.39					
		W BD	860	2	2,590	5	3,420	3	1,274	1	8,143	10	862	2,594	3,422	1,275	8,153	0.24	0.63					
	Turlington Road east of Hopkins Road	E BD	1,038	4	1,556	34	1,485	24	814	11	4,893	73	1,042	1,590	1,509	825	4,966	0.29	0.28					
		W BD	656	12	1,945	31	1,661	3	727	6	4,969	62	1,876	1,684	1,646	733	5,021	0.19	0.39					
	Turlington Road east of NS Arterial 2	E BD	1,646	29	1,662	21	1,503	9	6	5,681	81	5,686	886	1,675	477	1,684	1,512	5,702	0.47	0.29				
		W BD	623	8	1,772	24	2,460	43	833	4	5,689	79	631	1,796	2,503	738	5,767	0.18	0.77					
	Taylors Road west of Plumpton Road	E BD	3,728	16	8,978	108	6,956	127	4,822	33	24,485	285	3,745	9,086	7,084	4,855	24,770	0.63	0.79					
		W BD	3,249	47	9,198	140	6,763	30	4,735	16	23,945	232	3,296	9,338	6,793	4,751	24,178	0.55	0.76					
	Taylors Road between Hopkins Road and Sincinairs Road	E BD	4,962	32	11,126	334	7,571	177	6,130	93	29,788	635	4,904	11,459	7,748	6,222	30,423	0.83	0.87					
		W BD	3,386	117	11,111	292	7,852	42	5,839	60	28,387	510	3,703	11,402	7,894	5,896	28,898	0.63	0.88					
Taylors Road east of Sincinairs Road	E BD	5,126	34	10,201	255	6,961	135	5,388	63	27,482	489	5,160	10,456	8,703	5,650	27,970	0.86	0.79						
	W BD	3,061	93	8,956	241	7,669	49	5,296	42	25,852	426	3,154	10,098	7,718	5,337	26,307	0.53	0.86						
EW Road 4 between Plumpton Road and Hopkins Road	E BD	620	1	1,149	4	738	1	-	-	2,507	7	621	1,153	739	-	2,514	0.89	0.70						
	W BD	461	1	1,019	3	1,032	1	-	-	2,512	4	461	1,022	1,033	-	2,517	0.66	0.98						
Nealee Road west of Hopkins Road	E BD	726	1	1,476	3	779	1	697	1	3,677	6	727	1,479	780	698	3,683	1.00	0.74						
	W BD	424	0	1,115	2	1,160	1	1,728	0	3,447	9	424	1,117	1,181	726	3,450	0.61	0.96						
Nealee Road east of Sincinairs Road	E BD	2,676	33	2,437	246	1,919	151	1,219	69	12,851	499	2,709	6,883	2,070	1,288	8,750	0.76	0.65						
	W BD	516	119	3,357	222	3,496	25	675	41	6,045	407	635	1,579	3,521	716	6,451	0.19	0.40						

Plumpton Kororoit 2046 Ultimate v2				Traffic Volumes																		
				AM (7am-9am)		IP (9am-3pm)		PM (3pm-6pm)		OP (6pm-7am)		Daily 24 Hour		AM (7am-9am)		IP (9am-3pm)		PM (3pm-6pm)		OP (6pm-7am)		Daily 24 Hour
Type:	Location:	Flow	Ramp Type	Light	Heavy	Light	Heavy	Light	Heavy	Light	Heavy	Light	Heavy	All	All	All	All	All	All	All	AM	PM
Western Freeway Interchange	Hopkins Road	SE BD	Off	1,784	31	3,655	157	2,559	133	2,188	135	10,186	455	1,815	3,812	2,692	2,323	10,641	0.51	0.51		
		SE BD	On	1,752	75	4,924	363	2,272	43	3,591	86	12,539	567	1,826	5,287	2,315	3,677	13,106	0.52	0.43		
		NW BD	Off	1,277	105	3,779	508	2,483	153	3,776	119	11,314	884	1,381	4,286	2,636	3,895	12,199	0.40	0.50		
		NW BD	On	686	43	2,003	92	2,483	122	1,326	70	6,498	327	729	2,095	2,605	1,396	6,825	0.02	0.04		
OMR Interchange	Taylors Road	NE BD	Off	1,178	9	3,289	50	4,018	86	2,049	15	10,534	160	1,188	3,339	4,103	2,064	10,693	0.33	0.77		
		NE BD	On	2,156	34	5,324	49	3,089	10	2,588	12	13,157	106	2,190	5,374	3,099	2,600	13,263	0.06	0.05		
		SW BD	Off	678	3	3,268	36	2,313	29	1,910	11	8,168	79	680	3,304	2,343	1,921	8,247	0.19	0.44		
		SW BD	On	1,973	43	3,960	121	2,653	27	1,469	7	10,056	197	2,016	4,081	2,679	1,476	10,253	0.05	0.04		
	Melton Highway	NE BD	Off	1,172	15	1,930	149	2,848	237	1,055	35	7,005	436	1,187	2,080	3,084	1,090	7,441	0.33	0.59		
		NE BD	On	2,322	229	7,304	264	4,003	95	3,479	134	17,108	722	2,551	7,569	4,098	3,613	17,830	0.07	0.07		
		SW BD	Off	2,195	62	9,243	253	4,141	288	3,203	131	18,782	733	2,257	9,496	4,429	3,333	19,515	0.64	0.85		
		SW BD	On	1,113	121	3,147	249	3,101	62	946	18	8,306	450	1,234	3,395	3,163	964	8,756	0.03	0.05		
	OMR North Leg	Left Turn		589	14	1,408	191	324	47	840	206	3,160	459	603	1,599	371	1,046	3,619	0.08	0.04		
		Through		4,121	480	11,771	1,019	6,651	581	4,608	375	27,151	2,455	4,602	12,790	7,232	4,982	29,606	0.61	0.63		
		Right Turn		996	12	1,649	22	2,467	47	-	-	5,112	81	1,008	1,671	2,514	-	5,193	0.14	0.23		
		Left Turn		326	40	1,050	91	203	1	397	15	1,977	148	366	1,141	204	413	2,124	0.05	0.02		
Western Fwy East Leg	Through		5,119	942	15,189	2,504	12,661	2,044	13,948	1,643	46,917	7,134	6,061	17,694	14,706	15,591	54,051	0.54	0.87			
	Right Turn		435	143	1,434	210	2,109	84	1,082	95	5,060	531	577	1,644	2,193	1,178	5,592	0.09	0.21			
	Left Turn		958	16	2,327	59	1,523	47	1,457	11	6,265	133	974	2,387	1,570	1,468	6,398	0.14	0.15			
	Through		3,592	311	10,626	767	8,501	586	4,939	267	27,659	1,931	3,904	11,394	9,086	5,206	29,590	0.51	0.78			
OMR South Leg	Right Turn		471	2	1,215	65	923	77	496	23	3,106	168	473	1,281	1,000	520	3,274	0.07	0.10			
	Left Turn		1	0	-	-	124	1	-	-	125	1	1	-	125	-	127	0.00	0.01			
	Through		8,657	1,270	18,915	2,831	10,690	1,696	15,055	2,276	53,318	8,072	9,927	21,747	12,386	17,331	61,390	0.88	0.74			
	Right Turn		1,966	87	2,911	82	1,853	43	1,579	11	8,309	223	2,053	2,993	1,896	1,590	8,532	0.29	0.18			

2046 Ultimate V2

Bus Boardings (per direction) by route

Description	Bus Route	AM	IP	PM	OP	DAILY
SUNSHINE - MELTON	456	30	63	101	44	238
SYDENHAM RS - CAROLINE SPRINGS (VIA TAYLORS HILL WEST)	C1069	16	10	32	6	63
CAROLINE SPRINGS TOWN CENTRE - CAROLINE SPRINGS RS	C1102	30	28	35	7	100
TARNEIT RS - PLUMPTON	C1103	33	204	136	67	439
CAROLINE SPRINGS - TOOLERN RS (VIA ROCKBANK RS)	C1104	129	147	186	59	521
SYDENHAM RS - PLUMPTON (VIA TAYLORS HILL) (COMPLETE)	C1117	57	67	175	70	369
ROCKBANK RS - ROCKBANK WEST (VIA PLUMPTON)	C1118	69	87	40	36	232
SYDENHAM RS - CAROLINE SPRINGS RS (VIA PLUMPTON & EASTERN ROCKBANK)	LD123	32	94	348	154	627
SYDENHAM - MELTON (VIA NORTHERN TOOLERN)	SM6	309	362	471	159	1,302
ST ALBANS - ROCKBANK RS	SM24	100	200	254	139	691
TOTAL		706	1,060	1,525	601	3,892

Description	Bus Route	AM	IP	PM	OP	DAILY
MELTON - SUNSHINE	2456	65	83	57	31	236
CAROLINE SPRINGS - SYDENHAM RS (VIA TAYLORS HILL WEST)	2C1069	6	6	24	2	38
CAROLINE SPRINGS RS - CAROLINE SPRINGS TOWN CENTRE	2C1102	22	18	43	12	95
PLUMPTON - TARNEIT RS	2C1103	97	221	116	60	494
TOOLERN RS - CAROLINE SPRINGS (VIA ROCKBANK RS)	2C1104	125	114	135	46	421
PLUMPTON - SYDENHAM RS (VIA TAYLORS HILL) (COMPLETE)	2C1117	129	116	79	36	359
ROCKBANK WEST - ROCKBANK RS (VIA PLUMPTON)	2C1118	55	102	111	60	328
CAROLINE SPRINGS RS - SYDENHAM RS (VIA PLUMPTON & EASTERN ROCKBANK)	2LD123	265	231	54	68	617
MELTON - SYDENHAM (VIA NORTHERN TOOLERN)	2SM6	270	289	413	191	1,163
ROCKBANK RS - ST ALBANS	2SM24	178	296	204	98	775
TOTAL		1,034	1,179	1,032	505	3,750

Bus Boardings (2 way volumes)

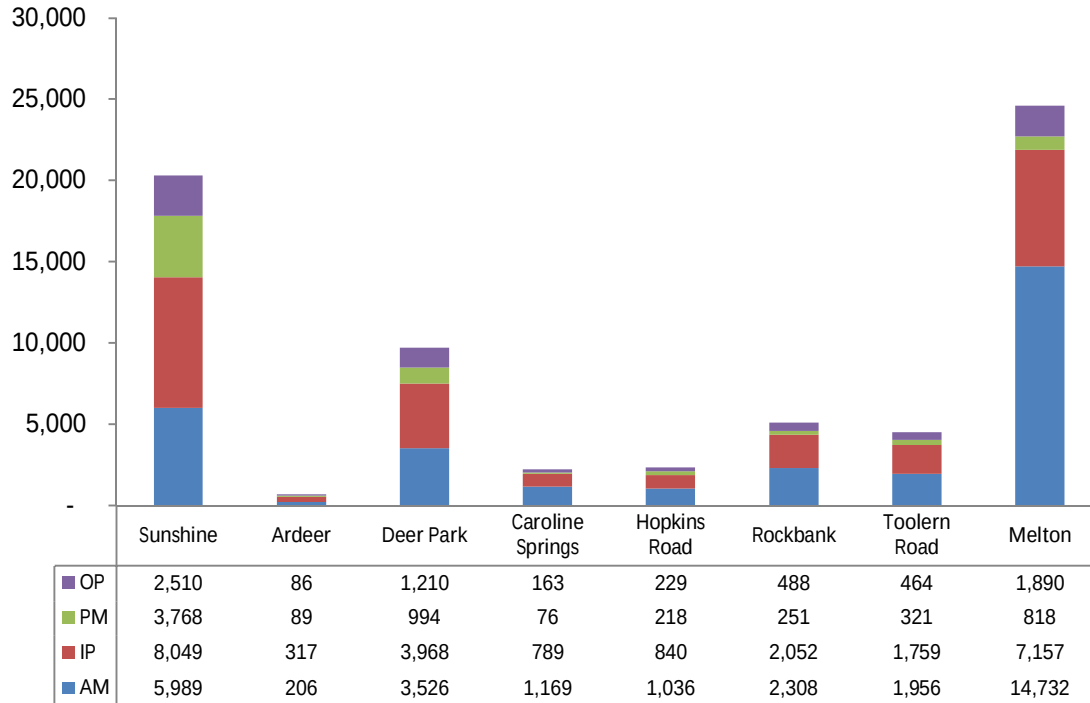
Description	Bus Route	AM	IP	PM	OP	DAILY
SUNSHINE - MELTON	456	95	147	158	75	475
SYDENHAM RS - CAROLINE SPRINGS (VIA TAYLORS HILL WEST)	C1069	22	15	56	8	101
CAROLINE SPRINGS TOWN CENTRE - CAROLINE SPRINGS RS	C1102	52	45	78	19	195
TARNEIT RS - PLUMPTON	C1103	129	424	253	127	933
CAROLINE SPRINGS - TOOLERN RS (VIA ROCKBANK RS)	C1104	255	261	321	105	942
SYDENHAM RS - PLUMPTON (VIA TAYLORS HILL) (COMPLETE)	C1117	185	183	254	106	728
ROCKBANK RS - ROCKBANK WEST (VIA PLUMPTON)	C1118	124	189	151	95	560
SYDENHAM RS - CAROLINE SPRINGS RS (VIA PLUMPTON & EASTERN ROCKBANK)	LD123	297	324	401	222	1,244
SYDENHAM - MELTON (VIA NORTHERN TOOLERN)	SM6	579	651	884	350	2,465
ST ALBANS - ROCKBANK RS	SM24	278	495	457	236	1,466
TOTAL		1,739	2,239	2,557	1,107	7,643

Train Boardings

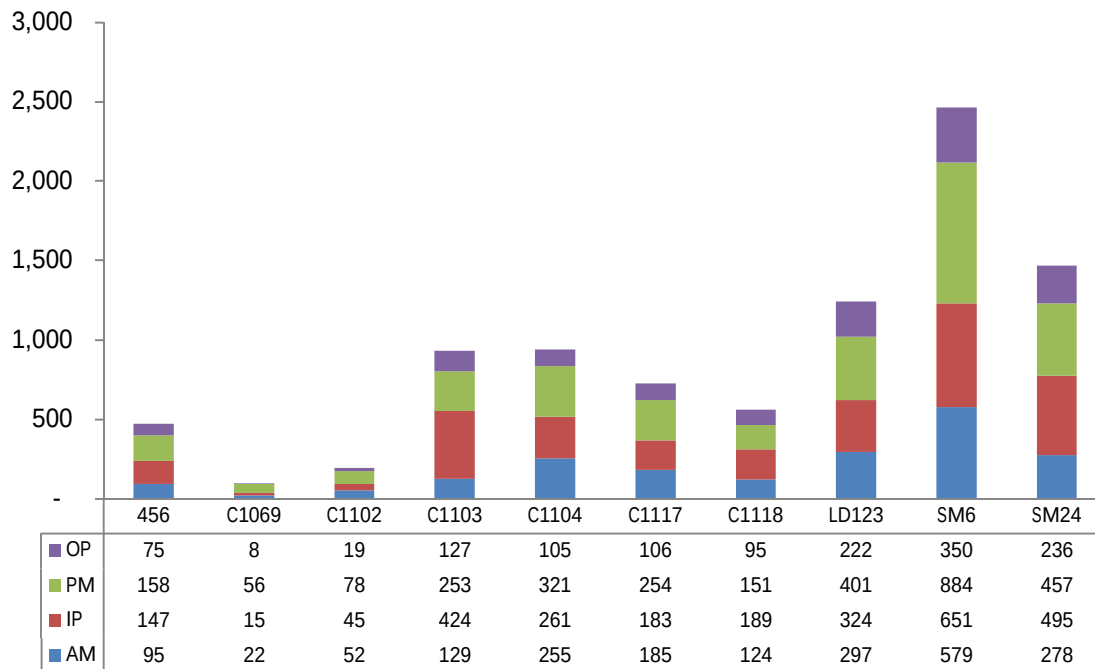
Train Line	Station	AM	IP	PM	OP	DAILY
Melton Line	Sunshine	5,989	8,049	3,768	2,510	20,317
	Ardeer	206	317	89	86	698
	Deer Park	3,526	3,968	994	1,210	9,698
	Caroline Springs	1,169	789	76	163	2,198
	Hopkins Road	1,036	840	218	229	2,323
	Rockbank	2,308	2,052	251	488	5,099
	Toolern Road	1,956	1,759	321	464	4,501
	Melton	14,732	7,157	818	1,890	24,597
TOTAL		30,922	24,932	6,535	7,042	69,431

2046 Ultimate V2

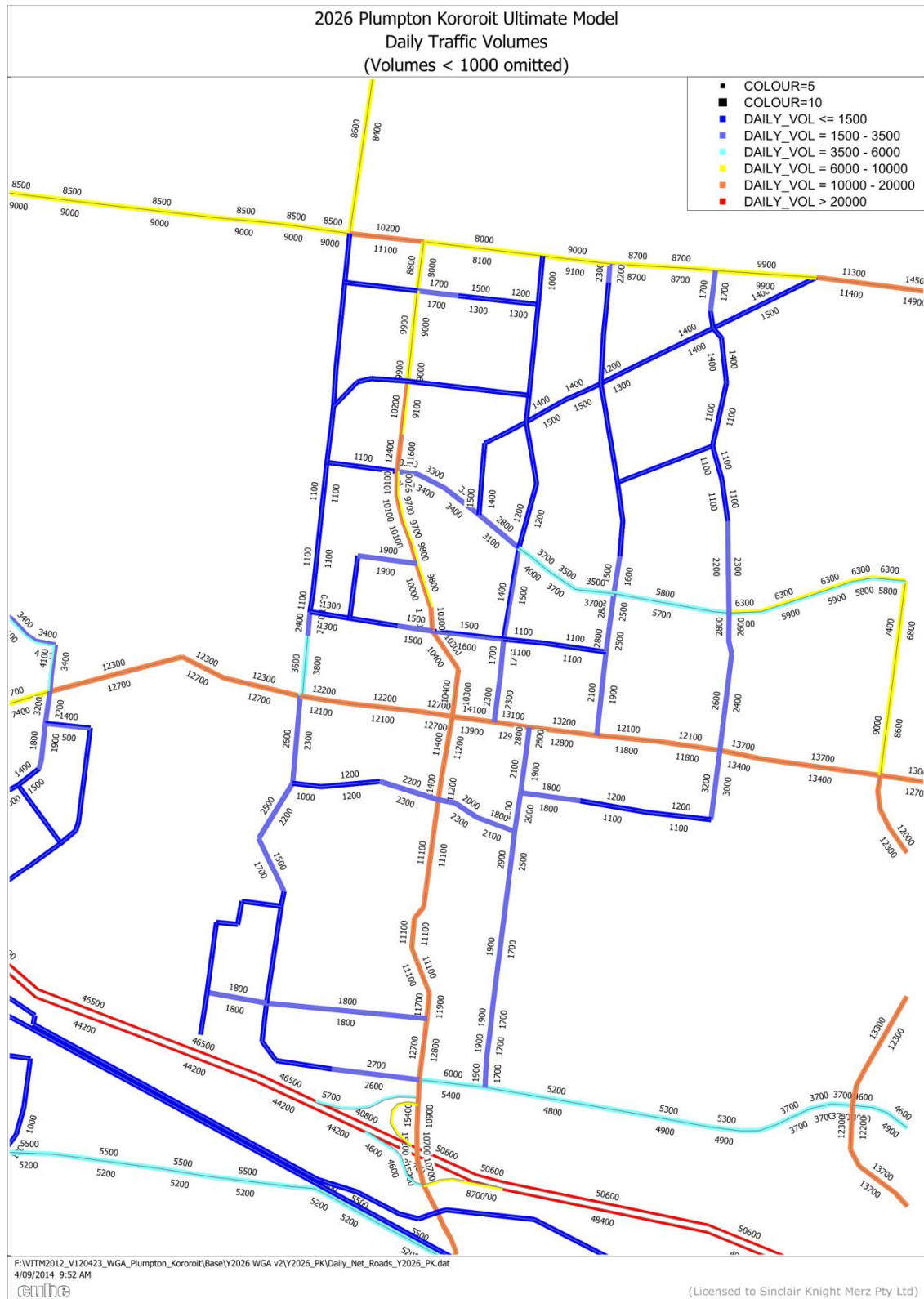
Melton Line Train Station - Boardings by Time Period



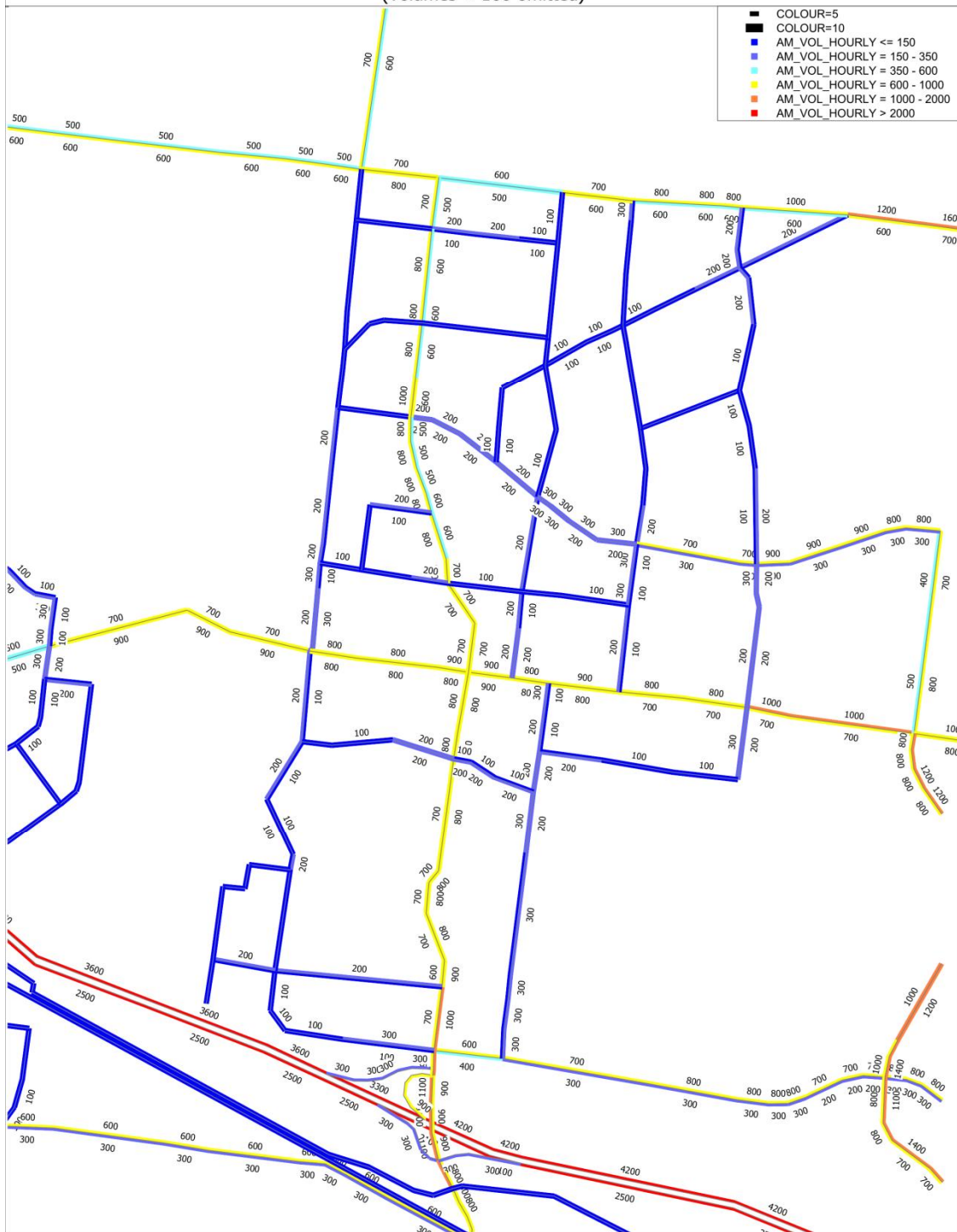
Two-way Bus Boardings - Time Period



Appendix B. 2026 Reference Case Model Results



2026 Plumpton Kororoit Ultimate Model
AM Peak Traffic Volumes (Hourly)
(Volumes < 100 omitted)



F:\VITM2012_V120423_WGA_Plumpton_Kororoit\Base\Y2026 WGA v2\Y2026_PK\Daily_Net_Roads_Y2026_PK.dat
4/09/2014 9:58 AM

cube

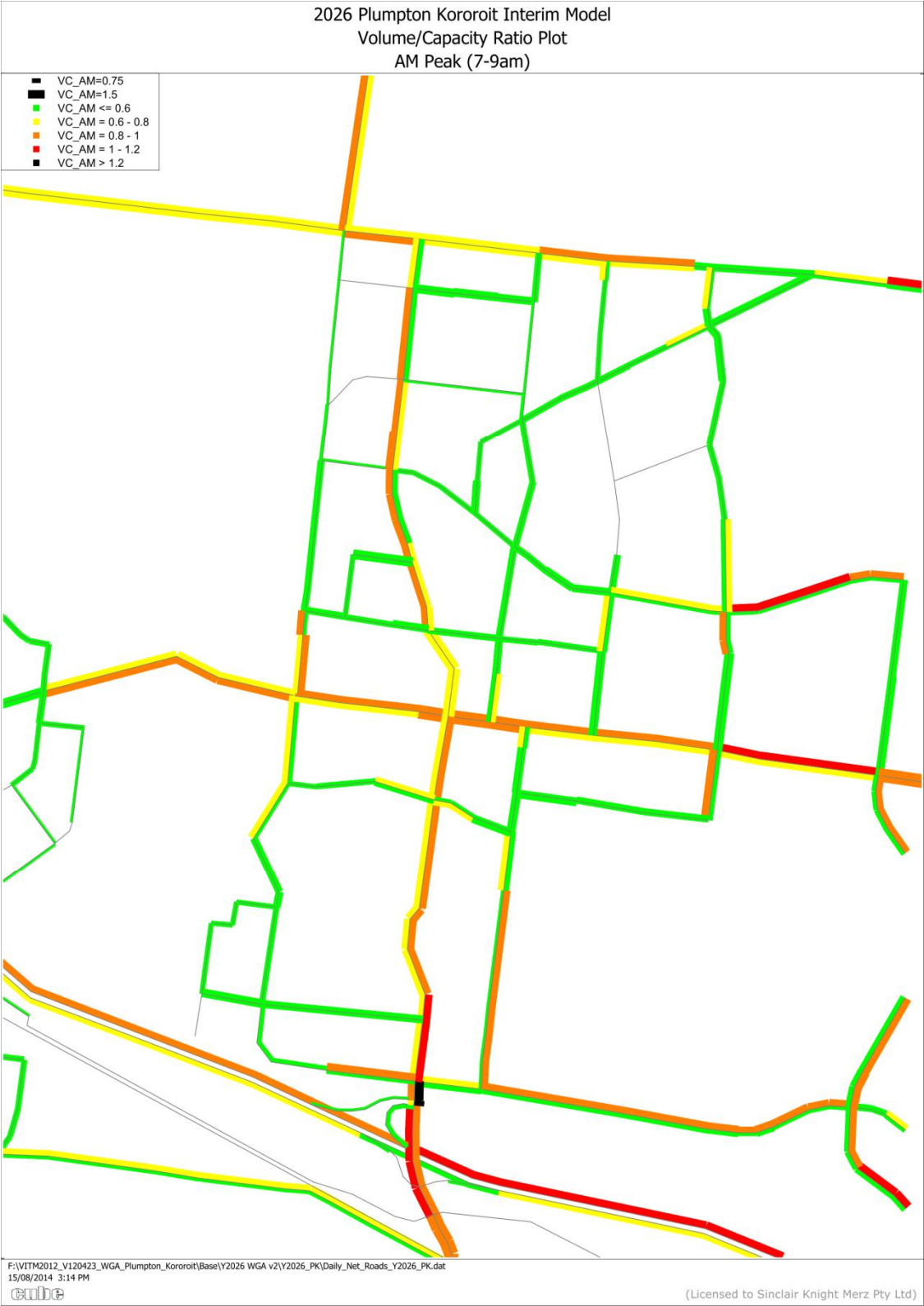
(Licensed to Sinclair Knight Merz Pty Ltd)

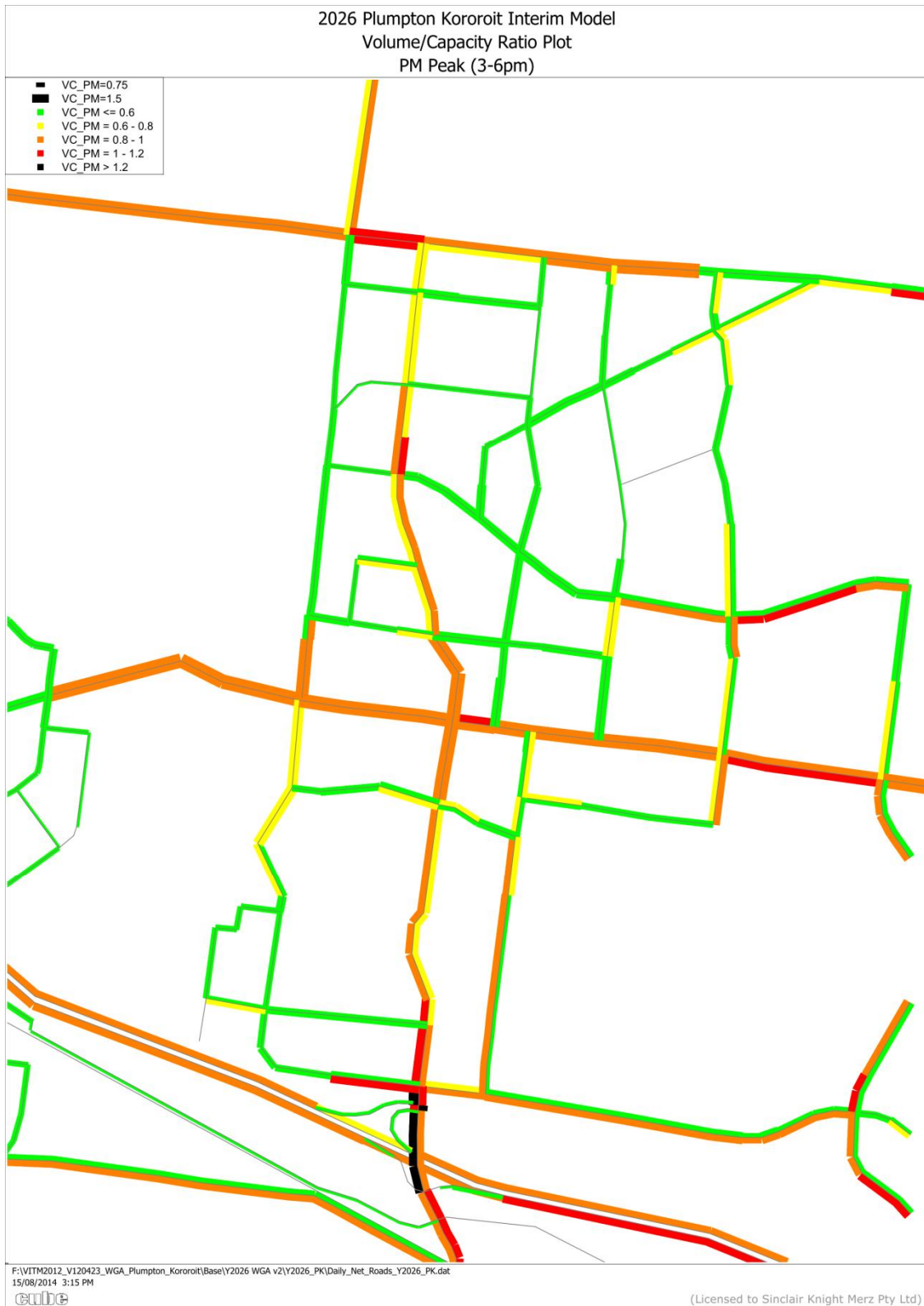
2026 Plumpton Kororoit Ultimate Model
PM Peak Traffic Volumes (Hourly)
(Volumes < 100 omitted)



cube

(Licensed to Sinclair Knight Merz Pty Ltd)





PSP 1078 Plumpton and PSP 1080 Kororoit:
Transport Modelling Report



Plumpton Kororoit 2026 Interim			Traffic Volumes																	
			AM (7am-9am)		IP (9am-3pm)		PM (3pm-6pm)		OP (6pm-7am)		Daily 24 Hour		AM (7am-9am)	IP (9am-3pm)	PM (3pm-6pm)	OP (6pm-7am)	Daily 24 Hour	V/C	V/C	
			Light	Heavy	Light	Heavy	Light	Heavy	Light	Heavy	Light	Heavy	All	All	All	All	All	AM	PM	
Type:	Location:	Flow:																		
Plumpton Kororoit (N-S Roads)	Plumpton Road north of Tarleton Road	S BD	19	0	94	0	537	4	13	-	664	4	19	94	541	13	668	0.03	0.52	
		N BD	186	1	113	0	115	1	15	-	428	2	186	113	116	15	430	0.27	0.11	
	Plumpton Road south of Tarleton Road	S BD	87	0	341	0	478	1	159	0	1,065	1	87	341	479	159	1,066	0.12	0.46	
		N BD	321	1	398	0	259	0	165	0	1,143	1	322	398	259	165	1,144	0.46	0.25	
	Plumpton Road north of Taylors Road	S BD	603	3	1,479	8	849	1	850	1	3,782	14	607	1,487	850	852	3,796	0.87	0.81	
		N BD	437	1	1,345	10	970	4	847	2	3,599	17	437	1,355	975	849	3,615	0.63	0.93	
	Plumpton Road south of Taylors Road	S BD	269	0	844	0	708	0	465	0	2,285	1	269	845	708	465	1	2,286	0.38	0.67
		N BD	485	0	992	1	673	0	-	-	2,150	1	485	992	674	-	2,151	0.69	0.64	
	Plumpton Road north of Neales Road	S BD	190	0	189	1	187	0	-	-	565	2	190	190	187	-	567	0.27	0.18	
		N BD	71	0	135	1	349	0	-	-	555	1	72	135	349	-	556	0.10	0.33	
	Hopkins Road south of Melton Highway	S BD	973	56	2,966	169	1,941	26	1,830	41	7,710	292	1,029	3,135	1,967	1,871	8,002	0.53	0.66	
		N BD	1,402	32	3,190	182	1,977	45	-	-	6,569	259	1,434	3,372	2,023	-	6,828	0.73	0.68	
	Hopkins Road immediately west of Major Town Center	S BD	1,148	79	4,380	216	3,160	22	2,484	50	11,182	368	1,228	4,596	3,182	2,544	11,550	0.63	1.06	
		N BD	1,909	29	5,141	244	2,511	79	2,432	61	11,993	413	1,938	5,385	2,590	2,493	12,406	0.98	0.88	
	Hopkins Road south of Tarleton Road	S BD	959	88	3,473	252	2,660	26	2,142	57	9,235	423	1,047	3,726	2,686	2,199	9,658	0.55	0.90	
		N BD	1,655	29	3,911	284	1,860	95	2,145	70	9,572	479	1,685	4,195	1,956	2,215	10,050	0.86	0.67	
	Hopkins Road north of Taylors Road	S BD	1,304	105	3,718	296	2,454	23	2,339	62	9,815	487	1,409	4,014	2,477	2,401	10,302	0.73	0.83	
		N BD	1,430	28	3,706	330	2,335	124	2,361	78	9,833	560	1,458	4,037	2,460	2,439	10,393	0.74	0.84	
	Hopkins Road south of Taylors Road	S BD	1,429	130	3,677	406	2,529	24	2,873	97	10,508	658	1,559	4,083	2,554	2,970	11,166	0.81	0.86	
		N BD	1,536	30	3,696	451	2,422	146	-	-	7,654	627	1,566	4,147	2,568	-	8,281	0.79	0.88	
	Hopkins Road north of Neales Road	S BD	1,898	138	4,379	437	2,388	27	3,430	103	12,096	705	2,036	4,816	2,416	3,533	12,801	1.06	0.81	
		N BD	1,307	31	4,024	483	3,054	156	3,516	130	11,902	800	1,339	4,507	3,210	3,646	12,702	0.68	1.10	
	Hopkins Road south of Neales Road	S BD	2,271	244	5,350	591	3,223	35	3,886	128	14,730	998	2,514	5,941	3,258	4,914	15,727	0.87	1.09	
		N BD	1,727	37	5,008	604	3,999	249	4,308	159	15,042	1,049	1,764	5,612	4,248	4,467	16,091	0.89	1.46	
	NS Road 1 south of Melton Highway	S BD	181	1	260	14	346	23	-	-	787	37	181	274	369	-	825	0.26	0.36	
		N BD	225	11	321	11	225	1	-	-	770	23	236	332	226	-	793	0.35	0.22	
	NS Road 1 north of Tarleton Road	S BD	148	7	396	17	420	1	-	-	963	25	155	413	421	-	989	0.23	0.40	
		N BD	246	1	403	22	251	10	258	7	1,158	40	246	425	262	265	1,198	0.35	0.25	
	NS Road 1 north of Taylors Road	S BD	370	17	726	33	538	1	633	11	2,267	63	387	759	539	644	2,330	0.57	0.51	
		N BD	348	2	738	49	484	18	648	16	2,218	85	349	787	502	664	2,302	0.50	0.49	
	NS Arterial 2 south of Melton Highway	S BD	192	1	718	15	765	11	450	3	2,124	29	192	733	776	453	2,154	0.28	0.74	
		N BD	494	7	863	12	432	0	448	2	2,237	21	501	875	433	450	2,258	0.72	0.41	
	NS Arterial 2 between Melton Highway and Tarleton Road	S BD	33	-	65	-	99	1	51	0	247	1	33	65	100	51	248	0.05	0.10	
		N BD	39	0	59	-	66	0	-	-	165	0	39	59	67	-	165	0.06	0.06	
	NS Arterial 2 north of Tarleton Road	S BD	331	6	589	11	359	1	344	2	1,623	19	337	589	360	346	1,642	0.49	0.34	
		N BD	144	0	503	13	490	9	340	3	1,477	25	144	517	499	343	1,502	0.21	0.43	
	NS Arterial 2 north of Taylors Road	S BD	209	7	682	20	553	1	440	4	1,884	32	217	702	553	444	1,916	0.31	0.53	
		N BD	372	3	753	33	470	13	470	4	2,065	53	375	786	482	474	2,118	0.54	0.47	
	Sinclair Road south of Taylors Road	S BD	265	0	904	4	819	2	558	1	2,546	7	265	908	821	559	2,552	0.38	0.78	
		N BD	546	1	1,028	3	623	1	570	0	2,768	6	547	1,032	624	571	2,774	0.78	0.60	
	Sinclair Road between Taylors Road and Neale Road	S BD	493	13	624	13	256	1	280	2	1,654	29	506	637	257	283	1,683	0.73	0.25	
		N BD	108	1	503	16	861	22	362	3	1,833	42	108	519	883	365	1,875	0.15	0.85	
	Sinclair Road south of Neale Road	S BD	493	13	624	13	256	1	280	2	1,654	29	506	637	257	283	1,683	0.73	0.25	
		N BD	108	1	503	16	861	22	362	3	1,833	42	108	519	883	365	1,875	0.15	0.85	

Plumpton Kororoit 2026 Interim			Traffic Volumes																	
			AM (7am-9am)		IP (9am-3pm)		PM (3pm-6pm)		OP (6pm-7am)		Daily 24 Hour		AM (7am-9am)	IP (9am-3pm)	PM (3pm-6pm)	OP (6pm-7am)	Daily 24 Hour	V/C	V/C	
			Light	Heavy	Light	Heavy	Light	Heavy	Light	Heavy	Light	Heavy	All	All	All	All	All	AM	PM	
Plumpton Kororoit (E-W Roads)	Type:	Location:	Flow:																	
	Melton Highway west of Hopkins Road		E BD	1,285	45	3,795	119	2,736	28	2,166	32	9,981	224	1,330	3,914	2,764	2,197	10,205	0.75	1.10
			W BD	1,581	33	4,340	131	2,681	37	2,251	34	10,853	235	1,614	4,472	2,718	2,285	11,088	0.91	1.07
	Melton Highway east of NS Arterial 2		E BD	1,542	42	3,316	144	2,213	30	1,417	25	8,488	241	1,584	3,460	2,244	1,441	8,729	0.89	0.84
			W BD	1,064	38	3,434	149	2,575	52	1,407	22	6,480	261	1,101	3,583	2,627	1,429	8,741	0.62	0.98
	EW Road 2 running through Major Town Center		E BD	24	0	159	0	211	1	-	-	394	1	24	159	212	-	395	0.03	0.20
			W BD	77	1	201	0	93	0	-	-	370	1	77	201	93	-	372	0.11	0.09
	Tarleton Road overpass of OMR west of Plumpton Road		E BD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			W BD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tarleton Road east of Hopkins Road		E BD	379	1	1,192	42	1,125	23	480	9	3,177	76	380	1,234	1,148	490	3,253	0.21	0.43
			W BD	375	11	1,477	38	1,073	7	412	7	3,338	63	386	1,516	1,081	418	3,401	0.22	0.40
	Tarleton Road east of NS Arterial 2		E BD	1,298	25	2,077	38	1,609	4	743	2	5,727	69	1,323	2,115	1,613	745	5,796	0.74	0.60
			W BD	607	5	2,033	30	2,250	50	681	2	5,571	88	612	2,083	2,300	683	5,658	0.34	0.86
	Taylors Road west of Plumpton Road		E BD	1,472	6	5,010	20	2,975	2	2,777	4	12,234	33	1,478	5,030	2,977	2,781	12,267	0.74	0.99
			W BD	1,776	3	5,357	8	2,868	2	2,671	2	12,671	15	1,776	5,365	2,870	2,673	12,686	0.89	0.96
	Taylors Road between Hopkins Road and Sinclair Road		E BD	1,808	12	5,476	142	2,924	25	3,625	51	13,833	230	1,820	5,619	2,949	3,676	14,063	0.91	0.99
			W BD	1,775	28	5,523	120	2,939	8	3,429	38	13,665	194	1,803	5,643	2,947	3,466	13,859	0.91	0.98
	Taylors Road east of Sinclair Road		E BD	1,574	14	4,582	74	2,463	10	3,316	35	11,936	132	1,588	4,657	2,473	3,350	12,068	0.80	0.83
			W BD	1,400	9	4,587	81	2,538	22	3,152	27	11,676	140	1,409	4,669	2,560	3,179	11,816	0.71	0.86
	EW Road 4 between Plumpton Road and Hopkins Road		E BD	433	1	800	4	565	1	-	-	1,798	7	434	805	567	-	1,805	0.62	0.54
			W BD	344	1	699	2	783	1	-	-	1,826	4	344	701	784	-	1,830	0.49	0.75
	Neale Road west of Hopkins Road		E BD	686	4	1,074	6	450	1	494	1	2,703	12	690	1,079	451	494	2,715	0.99	0.43
			W BD	215	0	801	2	1,075	5	516	0	2,607	8	215	803	1,081	516	2,615	0.31	0.57
Neale Road east of Sinclair Road		E BD	1,469	19	4,263	109	2,380	90	686	24	9,506	286	1,487	4,813	4,308	774	5,145	0.88	0.92	
		W BD	665	103	1,096	142	1,401	30	454	25	4,518	289	667	1,238	2,431	479	4,915	0.40	0.93	

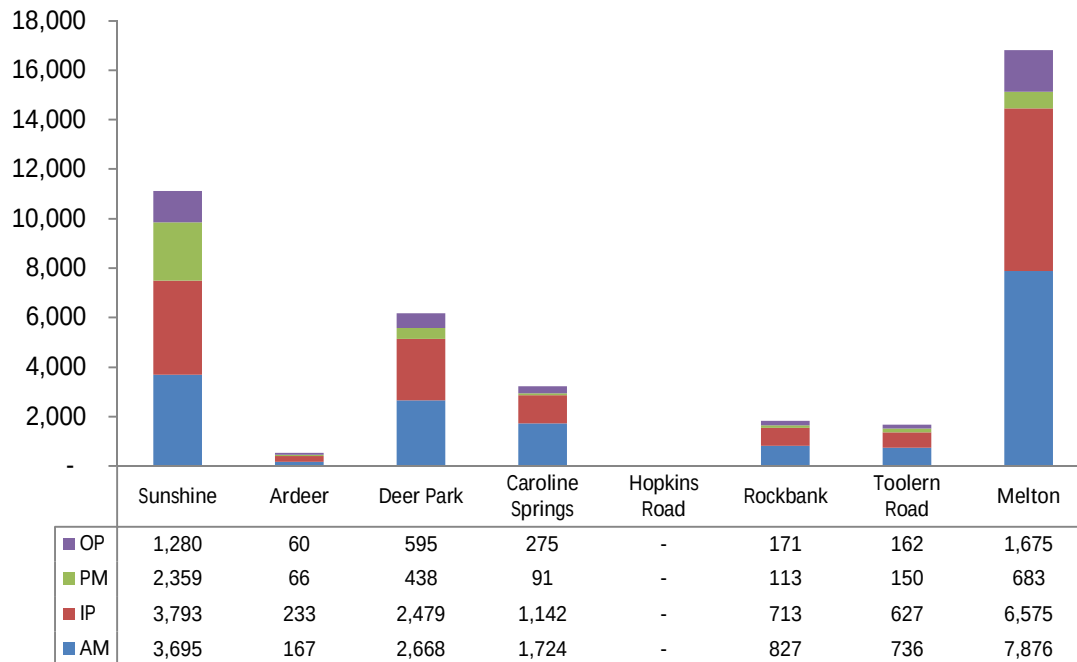
Plumpton Kororoit 2026 Interim				Traffic Volumes																	
				AM (7am-9am)		IP (9am-3pm)		PM (3pm-6pm)		OP (6pm-7am)		Daily 24 Hour		AM (7am-9am)	IP (9am-3pm)	PM (3pm-6pm)	OP (6pm-7am)	Daily 24 Hour	V/C	V/C	
Type:	Location:	Flow	Ramp Type	Light	Heavy	Light	Heavy	Light	Heavy	Light	Heavy	Light	Heavy	All	All	All	All	All	AM	PM	
Western Freeway Interchange	Hopkins Road	SE BD	Off	547	21	2,066	62	1,706	22	1,232	12	5,550	117	568	2,128	1,728	1,244	5,667	0.16	0.32	
		SE BD	On	1,700	68	3,599	284	1,519	23	2,535	64	9,353	439	1,768	3,883	1,542	2,599	9,792	0.50	0.29	
		NW BD	Off	604	27	2,272	380	2,448	79	2,823	83	8,147	568	631	2,652	2,527	2,906	8,715	0.18	0.48	
		NW BD	On	667	20	1,844	51	1,042	22	920	8	4,472	101	687	1,895	1,063	928	4,573	0.02	0.02	
OMR Interchange	Taylors Road	NE BD	Off	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		NE BD	On	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		SW BD	Off	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		SW BD	On	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Melton Highway	NE BD	Off	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		NE BD	On	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		SW BD	Off	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		SW BD	On	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Western Freeway / OMR Freeway to Freeway Interchange	OMR North Leg	Left Turn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Through	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Right Turn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Western Fwy East Leg	Left Turn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Through	4,430	438	14,647	1,570	10,945	531	10,811	284	40,832	2,824	4,869	16,217	11,475	11,095	43,656	0.64	0.98		
		Right Turn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	OMR South Leg	Left Turn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Through	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Right Turn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Western Fwy West Leg	Left Turn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Through	6,643	431	15,350	1,554	9,370	503	11,675	295	43,039	2,783	7,074	16,904	9,873	11,971	45,822	0.91	0.84		
			Right Turn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

2026 Interim (Reference Case)

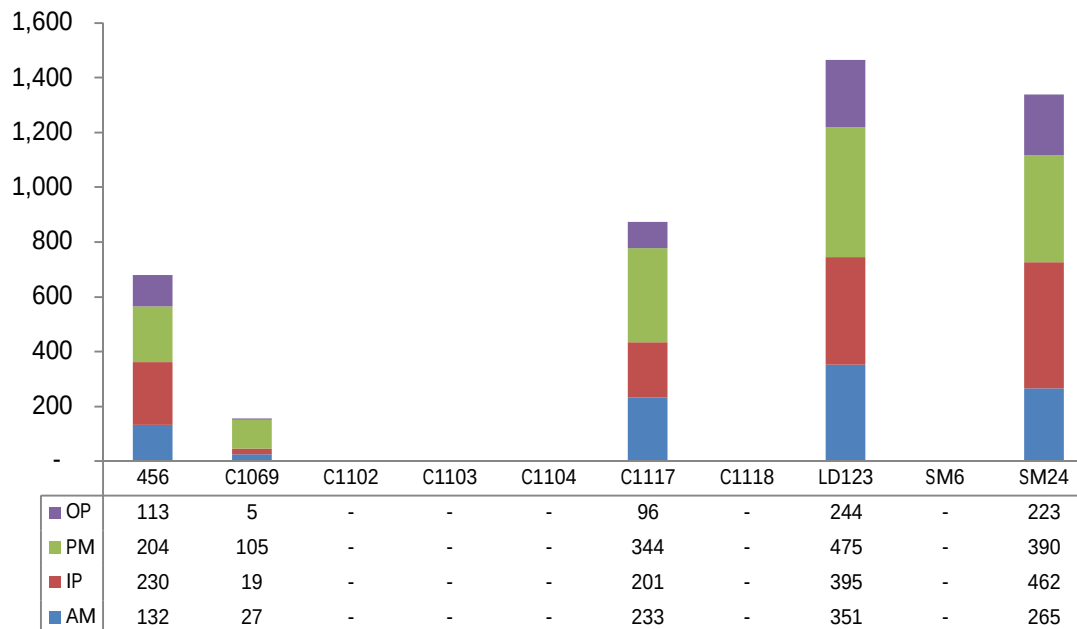
Bus Boardings (per direction) by route						
Description	Bus Route	AM	IP	PM	OP	DAILY
SUNSHINE - MELTON	456	58	89	126	71	344
SYDENHAM RS - CAROLINE SPRINGS (VIA TAYLORS HILL WEST)	C1069	18	11	81	3	113
CAROLINE SPRINGS TOWN CENTRE - CAROLINE SPRINGS RS	C1102	-	-	-	-	-
TARNEIT RS - PLUMPTON	C1103	-	-	-	-	-
CAROLINE SPRINGS - TOOLERN RS (VIA ROCKBANK RS)	C1104	-	-	-	-	-
SYDENHAM RS - PLUMPTON (VIA TAYLORS HILL) (COMPLETE)	C1117	34	69	291	65	459
ROCKBANK RS - ROCKBANK WEST (VIA PLUMPTON)	C1118	-	-	-	-	-
SYDENHAM RS - CAROLINE SPRINGS RS (VIA PLUMPTON & EASTERN ROCKBANK)	LD123	52	134	407	155	748
SYDENHAM - MELTON (VIA NORTHERN TOOLERN)	SM6	-	-	-	-	-
ST ALBANS - ROCKBANK RS	SM24	155	186	216	153	710
TOTAL		162	303	905	294	1,665
Description	Bus Route	AM	IP	PM	OP	DAILY
MELTON - SUNSHINE	2456	74	141	78	43	335
CAROLINE SPRINGS - SYDENHAM RS (VIA TAYLORS HILL WEST)	2C1069	9	8	24	2	43
CAROLINE SPRINGS RS - CAROLINE SPRINGS TOWN CENTRE	2C1102	-	-	-	-	-
PLUMPTON - TARNEIT RS	2C1103	-	-	-	-	-
TOOLERN RS - CAROLINE SPRINGS (VIA ROCKBANK RS)	2C1104	-	-	-	-	-
PLUMPTON - SYDENHAM RS (VIA TAYLORS HILL) (COMPLETE)	2C1117	198	132	52	31	414
ROCKBANK WEST - ROCKBANK RS (VIA PLUMPTON)	2C1118	-	-	-	-	-
CAROLINE SPRINGS RS - SYDENHAM RS (VIA PLUMPTON & EASTERN ROCKBANK)	2LD123	299	261	68	89	717
MELTON - SYDENHAM (VIA NORTHERN TOOLERN)	2SM6	-	-	-	-	-
ROCKBANK RS - ST ALBANS	2SM24	110	276	174	70	630
TOTAL		580	542	222	165	1,509
Bus Boardings (2 way volumes)						
Description	Bus Route	AM	IP	PM	OP	DAILY
SUNSHINE - MELTON	456	132	230	204	113	679
SYDENHAM RS - CAROLINE SPRINGS (VIA TAYLORS HILL WEST)	C1069	27	19	105	5	156
CAROLINE SPRINGS TOWN CENTRE - CAROLINE SPRINGS RS	C1102	-	-	-	-	-
TARNEIT RS - PLUMPTON	C1103	-	-	-	-	-
CAROLINE SPRINGS - TOOLERN RS (VIA ROCKBANK RS)	C1104	-	-	-	-	-
SYDENHAM RS - PLUMPTON (VIA TAYLORS HILL) (COMPLETE)	C1117	233	201	344	96	874
ROCKBANK RS - ROCKBANK WEST (VIA PLUMPTON)	C1118	-	-	-	-	-
SYDENHAM RS - CAROLINE SPRINGS RS (VIA PLUMPTON & EASTERN ROCKBANK)	LD123	351	395	475	244	1,465
SYDENHAM - MELTON (VIA NORTHERN TOOLERN)	SM6	-	-	-	-	-
ST ALBANS - ROCKBANK RS	SM24	265	462	390	223	1,340
TOTAL		742	846	1,127	459	3,174
Train Boardings						
Train Line	Station	AM	IP	PM	OP	DAILY
Melton Line	Sunshine	3,695	3,793	2,359	1,280	11,127
	Ardeer	167	233	66	60	526
	Deer Park	2,668	2,479	438	595	6,180
	Caroline Springs	1,724	1,142	91	275	3,231
	Hopkins Road	-	-	-	-	-
	Rockbank	827	713	113	171	1,823
	Toolern Road	736	627	150	162	1,675
	Melton	7,876	6,575	683	1,675	16,810
TOTAL		17,693	15,562	3,901	4,217	41,373

2026 Interim (Reference Case)

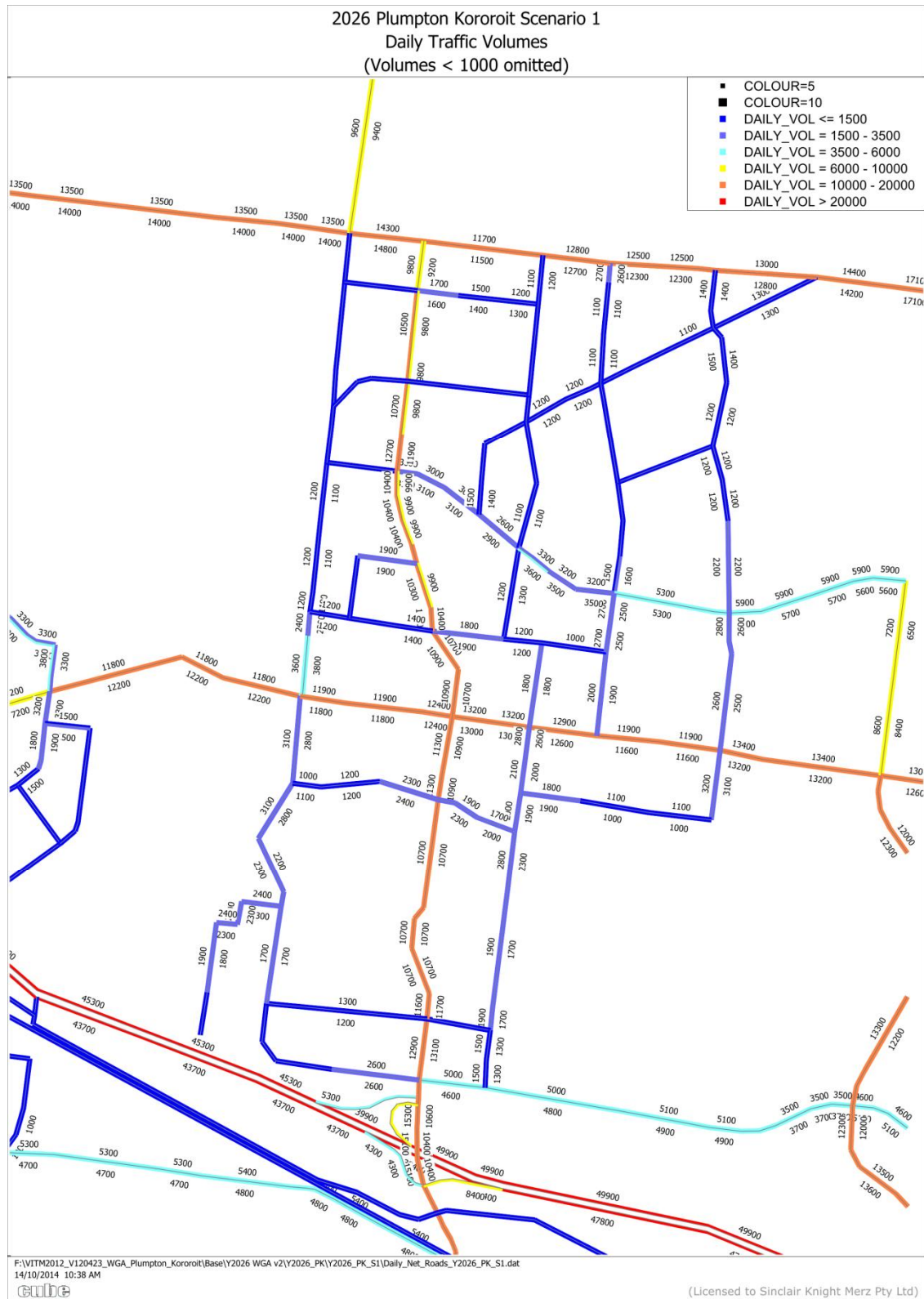
Melton Line Train Station - Boardings by Time Period



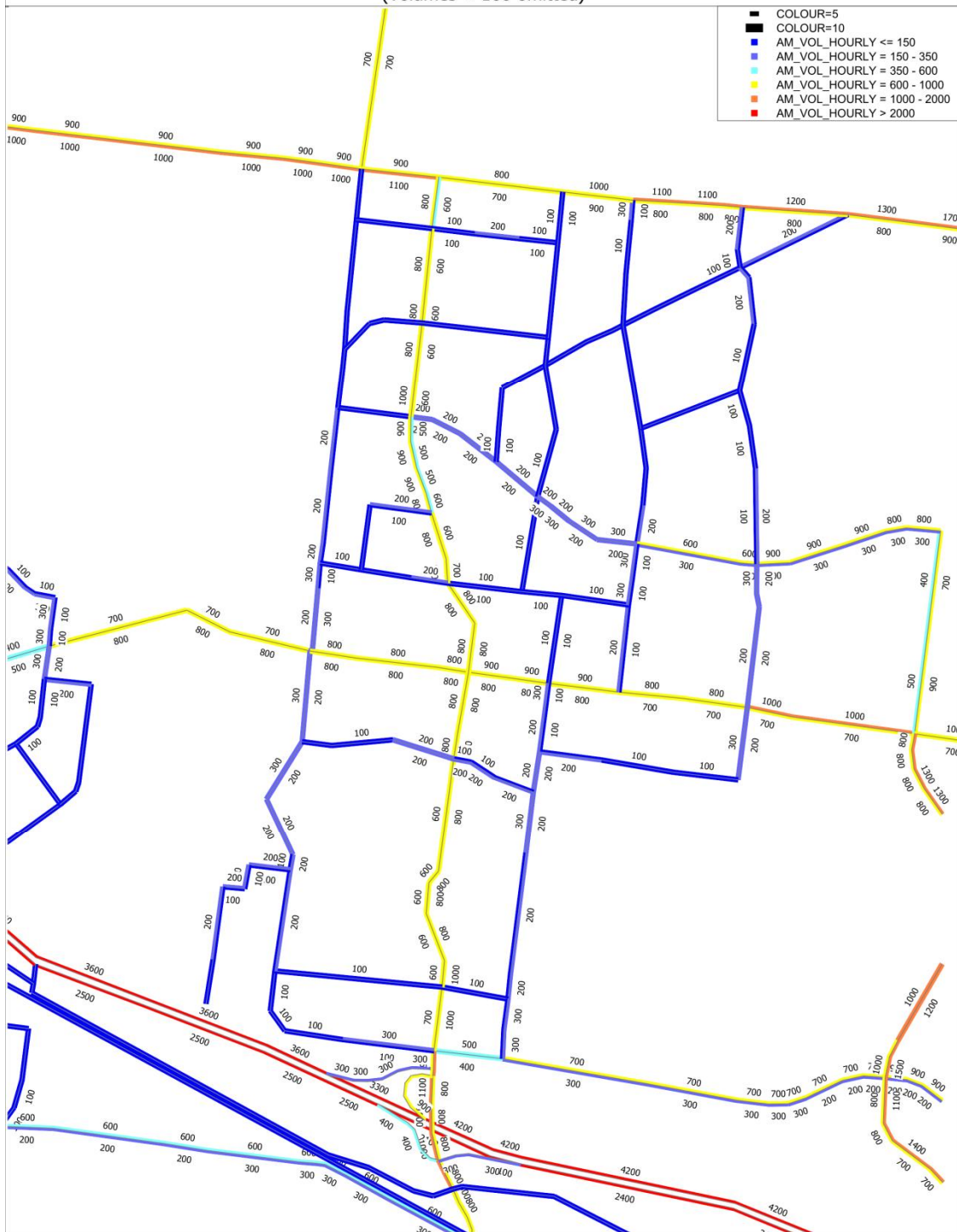
Two-way Bus Boardings - Time Period



Appendix C. Scenario 1 Model Results



2026 Plumpton Kororoit Scenario 1
AM Peak Traffic Volumes (Hourly)
(Volumes < 100 omitted)

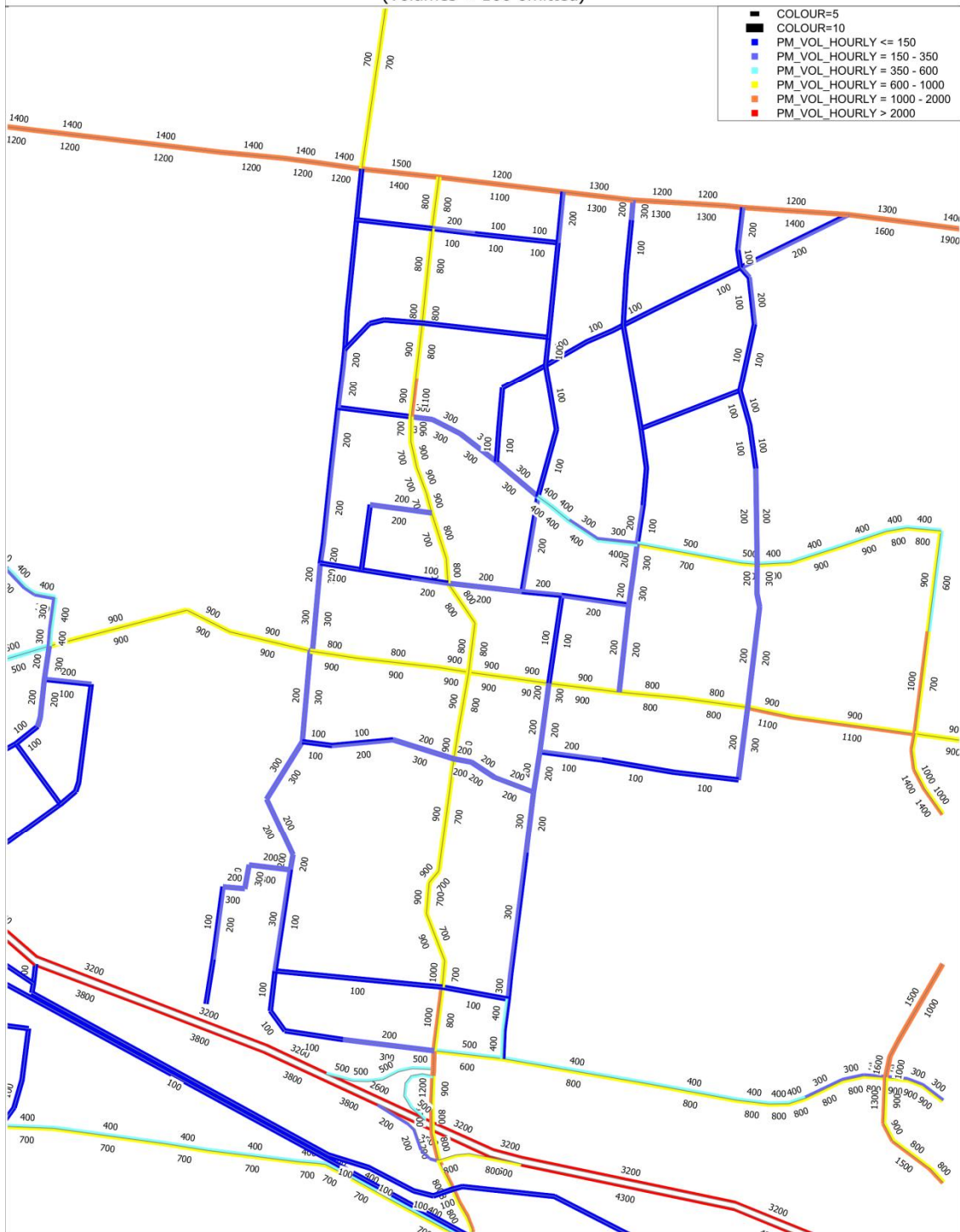


F:\VITM2012_V120423_WGA_Plumpton_Kororoit\Base\Y2026 WGA v2\Y2026_PK\Y2026_PK_S1\Daily_Net_Roads_Y2026_PK_S1.dat
14/10/2014 10:43 AM

cube

(Licensed to Sinclair Knight Merz Pty Ltd)

2026 Plumpton Kororoit Scenario 1
PM Peak Traffic Volumes (Hourly)
(Volumes < 100 omitted)



F:\VITM2012_V120423_WGA_Plumpton_Kororoit\Base\Y2026 WGA v2\Y2026_PK\Y2026_PK_S1\Daily_Net_Roads_Y2026_PK_S1.dat
14/10/2014 10:44 AM

cube

(Licensed to Sinclair Knight Merz Pty Ltd)





PSP 1078 Plumpton and PSP 1080 Kororoit:
Transport Modelling Report



Plumpton Kororoit 2026 S1			Traffic Volumes																			
			AM (7am-9am)		IP (9am-3pm)		PM (3pm-6pm)		OP (6pm-7am)		Daily 24 Hour		AM (7am-9am)	IP (9am-3pm)	PM (3pm-6pm)	OP (6pm-7am)	Daily 24 Hour	V/C	V/C			
			Light	Heavy	Light	Heavy	Light	Heavy	Light	Heavy	Light	Heavy	All	All	All	All	All	AM	PM			
Plumpton Kororoit (N-S Roads)	Type:	Location:	Flow:																			
		Plumpton Road north of Tarleton Road	S BD	2	-	15	-	499	2	13	-	529	2	2	15	501	13	531	0.00	0.48		
			N BD	184	1	143	0	117	0	15	-	460	1	185	144	118	15	461	0.26	0.11		
		Plumpton Road south of Tarleton Road	S BD	90	0	347	0	518	1	164	0	1,119	1	90	347	519	164	1,120	0.13	0.49		
			N BD	318	1	426	0	286	0	170	0	1,200	1	318	426	286	171	1,201	0.46	0.27		
		Plumpton Road north of Taylors Road	S BD	620	4	1,478	9	841	1	845	1	3,783	15	624	1,486	842	846	3,789	0.89	0.81		
			N BD	428	1	1,360	10	959	5	849	2	3,596	17	428	1,370	964	851	3,613	0.61	0.92		
		Plumpton Road south of Taylors Road	S BD	338	0	1,101	2	811	1	595	0	2,846	3	339	1,103	811	595	2,849	0.48	0.77		
			N BD	526	1	1,251	2	744	0	-	-	2,521	3	527	1,252	744	-	2,524	0.75	0.71		
		Plumpton Road north of Neales Road	S BD	451	6	529	13	346	1	-	-	1,326	21	457	542	347	-	1,346	0.66	0.33		
			N BD	130	1	378	14	770	10	-	-	1,278	24	131	391	780	-	1,302	0.19	0.75		
		Hopkins Road south of Melton Highway	S BD	1,044	65	3,333	173	2,444	30	2,024	47	8,845	315	1,109	3,506	2,474	2,071	9,160	0.57	0.83		
			N BD	1,546	31	3,480	183	2,318	68	-	-	7,344	282	1,577	3,663	2,386	-	7,626	0.80	0.81		
		Hopkins Road immediately west of Major Town Center	S BD	1,169	90	4,469	220	3,203	24	2,659	58	11,500	391	1,259	4,688	3,227	2,717	11,891	0.65	1.06		
			N BD	1,946	28	5,146	244	2,546	99	2,572	71	12,209	443	1,974	5,390	2,645	2,643	12,652	0.99	0.90		
		Hopkins Road south of Tarleton Road	S BD	984	100	3,488	256	2,714	24	2,292	64	9,477	444	1,084	3,744	2,738	2,356	9,922	0.57	0.92		
			N BD	1,680	28	3,972	284	1,970	110	2,255	80	9,876	502	1,708	4,256	2,080	2,335	10,379	0.86	0.71		
		Hopkins Road north of Taylors Road	S BD	1,379	121	3,718	302	2,435	22	2,602	73	10,134	519	1,501	4,020	2,457	2,676	10,653	0.78	0.82		
			N BD	1,514	27	3,823	343	2,351	140	2,571	92	10,260	601	1,541	4,166	2,491	2,663	10,861	0.78	0.85		
		Hopkins Road south of Taylors Road	S BD	1,395	147	3,586	409	2,446	24	2,794	97	10,221	677	1,543	3,994	2,470	2,891	10,898	0.81	0.83		
			N BD	1,530	30	3,643	458	2,432	159	-	-	7,606	647	1,560	4,101	2,591	-	8,252	0.79	0.89		
		Hopkins Road north of Neales Road	S BD	1,818	157	4,478	444	2,404	27	3,620	105	12,319	733	1,974	4,922	2,431	3,725	13,053	1.03	0.81		
			N BD	1,356	31	4,103	487	2,855	171	3,747	132	12,062	831	1,388	4,600	3,026	3,879	12,893	0.70	1.04		
		Hopkins Road south of Neales Road	S BD	2,243	256	5,299	600	3,169	34	3,843	128	14,514	1,018	2,499	5,859	3,204	3,971	15,532	1.31	1.07		
			N BD	1,719	37	4,872	614	3,803	272	4,223	158	14,617	1,080	1,756	5,486	4,075	4,380	15,697	0.89	1.44		
		NS Road 1 south of Melton Highway	S BD	202	1	284	14	433	27	-	-	919	42	203	298	461	-	961	0.29	0.45		
			N BD	254	12	329	11	276	1	-	-	859	24	267	340	277	-	883	0.39	0.26		
		NS Road 1 north of Tarleton Road	S BD	142	7	371	17	358	1	-	-	871	25	149	389	359	-	897	0.22	0.34		
			N BD	226	0	366	23	272	10	182	3	1,047	36	227	389	282	185	1,083	0.32	0.27		
		NS Road 1 north of Taylors Road	S BD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			N BD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		NS Arterial 2 south of Melton Highway	S BD	243	1	838	24	900	12	575	5	2,556	42	244	862	911	581	2,597	0.35	0.87		
			N BD	572	9	996	18	530	1	585	4	2,682	32	581	1,014	530	589	2,714	0.84	0.51		
		NS Arterial 2 between Melton Highway and Tarleton Road	S BD	33	0	74	0	115	0	49	0	272	1	33	74	115	49	272	0.05	0.11		
			N BD	26	0	67	0	69	0	-	-	162	0	26	68	69	-	163	0.04	0.07		
		NS Arterial 2 north of Tarleton Road	S BD	344	6	590	11	339	0	338	2	1,612	19	350	601	339	340	1,630	0.51	0.32		
			N BD	143	0	503	13	484	10	336	3	1,467	26	144	516	494	338	1,492	0.21	0.48		
		NS Arterial 2 north of Taylors Road	S BD	253	9	615	23	555	1	401	3	1,823	36	262	638	555	404	1,859	0.38	0.53		
			N BD	360	3	661	36	479	17	421	4	1,921	60	363	697	496	425	1,981	0.52	0.48		
		Sinclair Road south of Taylors Road	S BD	269	0	913	4	891	2	561	1	2,633	7	269	917	892	562	2,640	0.39	0.85		
			N BD	564	1	1,029	3	642	1	574	0	2,808	6	565	1,032	642	575	2,814	0.81	0.61		
		Sinclair Road between Taylors Road and Neale Road	S BD	453	10	665	13	278	1	303	2	1,689	26	463	668	279	305	1,715	0.67	0.27		
			N BD	123	1	595	16	807	18	374	3	1,874	38	124	571	825	399	1,919	0.16	0.79		
		Sinclair Road south of Neale Road	S BD	580	12	444	10	177	1	41	0	1,242	22	592	453	178	41	1,264	0.85	0.17		
			N BD	39	0	318	9	1,029	21	38	0	1,425	30	39	327	1,050	38	1,454	0.06	1.71		

Plumpton Kororoit 2026 S1			Traffic Volumes																	
			AM (7am-9am)		IP (9am-3pm)		PM (3pm-6pm)		OP (6pm-7am)		Daily 24 Hour		AM (7am-9am)	IP (9am-3pm)	PM (3pm-6pm)	OP (6pm-7am)	Daily 24 Hour	V/C	V/C	
			Light	Heavy	Light	Heavy	Light	Heavy	Light	Heavy	Light	Heavy	All	All	All	All	All	AM	PM	
Type:	Location:	Flow:																		
Plumpton Kororoit (E-W Roads)	Melton Highway west of Hopkins Road	E BD	1,780	59	5,109	168	4,434	43	2,695	35	14,018	305	1,839	5,277	4,477	2,730	14,322	0.47	0.75	
		W BD	2,110	36	5,628	159	4,008	67	2,748	37	14,495	299	2,147	5,787	4,075	2,785	14,794	0.54	0.68	
	Melton Highway east of NS Arterial 2	E BD	2,042	61	4,565	205	3,496	64	2,018	36	12,121	366	2,103	4,770	3,560	2,054	12,487	0.53	0.60	
		W BD	1,490	53	4,735	195	3,722	88	1,986	31	11,934	368	1,543	4,930	3,810	2,017	12,301	0.39	0.84	
	EW Road 2 running through Major Town Center	E BD	29	0	170	0	197	1	-	-	386	1	29	170	197	-	397	0.04	0.19	
		W BD	84	1	206	0	85	0	-	-	375	2	85	206	85	-	376	0.12	0.08	
	Tarleton Road overpass of OMR west of Plumpton Road	E BD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		W BD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Tarleton Road east of Hopkins Road	E BD	352	2	1,139	42	927	13	481	9	2,900	66	354	1,181	940	491	2,966	0.20	0.35	
		W BD	387	12	1,383	38	863	3	426	7	3,059	60	399	1,421	866	433	3,119	0.23	0.32	
	Tarleton Road east of NS Arterial 2	E BD	1,263	25	1,862	39	1,369	4	739	2	5,234	70	1,289	1,902	1,373	740	5,304	0.72	0.51	
		W BD	572	5	1,775	29	2,149	49	694	2	5,190	84	577	1,803	2,198	696	5,274	0.32	0.82	
	Taylors Road west of Plumpton Road	E BD	1,364	4	4,859	15	2,813	2	2,755	4	11,791	25	1,368	4,874	2,815	2,759	11,815	0.68	0.94	
		W BD	1,681	2	5,205	8	2,704	2	2,636	2	12,227	15	1,684	5,213	2,706	2,639	12,241	0.84	0.90	
	Taylors Road between Hopkins Road and Sinclairs Road	E BD	1,702	10	5,183	129	2,804	21	3,270	36	12,959	196	1,712	5,312	2,826	3,306	13,155	0.86	0.95	
		W BD	1,663	29	5,312	114	2,793	7	3,056	27	12,824	178	1,692	5,427	2,800	3,084	13,002	0.85	0.93	
	Taylors Road east of Sinclairs Road	E BD	1,578	12	4,556	74	2,409	9	3,202	28	11,744	124	1,590	4,630	2,418	3,230	11,868	0.80	0.81	
		W BD	1,385	15	4,576	83	2,496	24	3,021	23	11,478	145	1,400	4,659	2,520	3,044	11,623	0.70	0.84	
	EW Road 4 between Plumpton Road and Hopkins Road	E BD	479	1	804	4	602	1	-	-	1,884	7	480	808	603	-	1,891	0.69	0.58	
		W BD	357	1	711	2	836	1	-	-	1,904	4	358	714	837	-	1,908	0.51	0.80	
	Neale Road west of Hopkins Road	E BD	663	4	1,000	4	461	1	502	1	2,626	10	667	1,004	462	502	2,635	0.96	0.44	
		W BD	224	0	779	1	1,034	5	526	0	2,563	7	225	780	526	2,570	0.32	0.80		
	Neale Road east of Sinclairs Road	E BD	1,449	16	4,427	113	1,178	95	682	28	4,735	253	1,465	1,539	1,273	710	4,987	0.82	0.40	
	W BD	531	95	1,093	148	2,420	25	451	25	4,496	293	626	1,242	2,445	476	4,989	0.37	0.91		

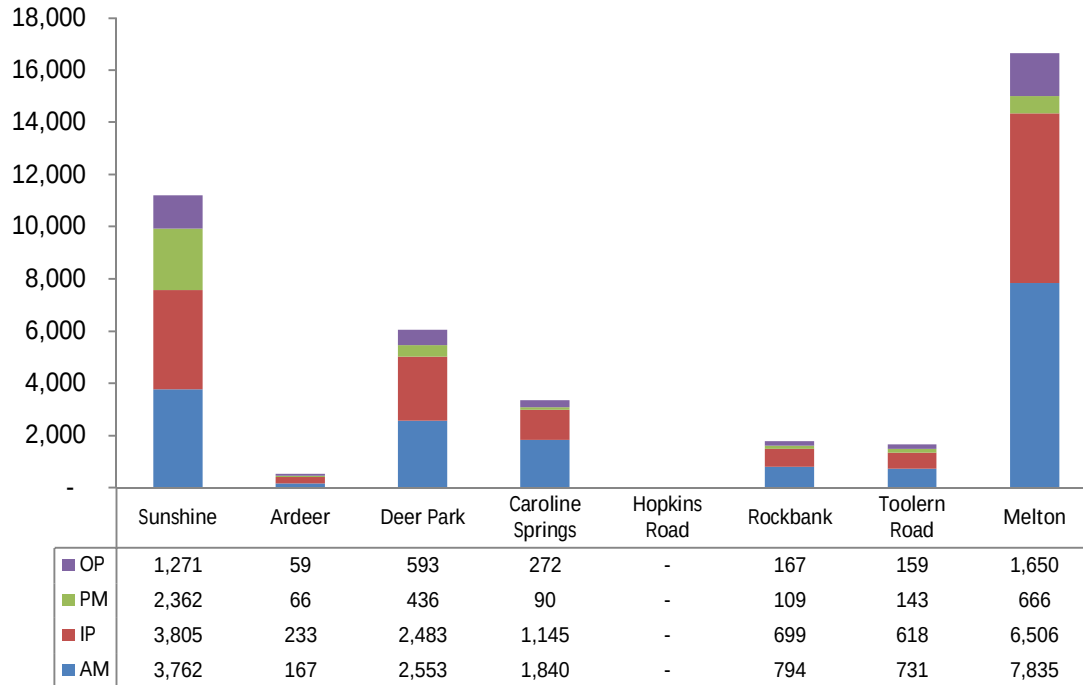
Plumpton Kororoit 2026 S1				Traffic Volumes																	
				AM (7am-9am)		IP (9am-3pm)		PM (3pm-6pm)		OP (6pm-7am)		Daily 24 Hour		AM (7am-9am)	IP (9am-3pm)	PM (3pm-6pm)	OP (6pm-7am)	Daily 24 Hour	V/C	V/C	
Type:	Location:	Flow	Ramp Type	Light	Heavy	Light	Heavy	Light	Heavy	Light	Heavy	Light	Heavy	All	All	All	All	All	AM	PM	
Western Freeway Interchange	Hopkins Road	SE BD	Off	540	21	1,937	62	1,543	22	1,190	12	5,210	117	561	1,999	1,565	1,201	5,326	0.16	0.29	
		SE BD	On	1,703	73	3,673	287	1,552	24	2,532	64	9,460	448	1,776	3,960	1,576	2,596	9,908	0.50	0.29	
		NW BD	Off	584	26	2,194	383	2,346	82	2,696	80	7,820	571	609	2,577	2,429	2,776	8,391	0.17	0.46	
		NW BD	On	682	20	1,863	52	733	9	936	8	4,214	89	702	1,915	742	944	4,303	0.02	0.01	
OMR Interchange	Taylors Road	NE BD	Off	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		NE BD	On	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		SW BD	Off	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		SW BD	On	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Melton Highway	NE BD	Off	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		NE BD	On	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		SW BD	Off	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		SW BD	On	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Western Freeway / OMR Freeway to Freeway Interchange	OMR North Leg	Left Turn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Through	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Right Turn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Western Fwy East Leg	Left Turn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Through	4,397	434	14,391	1,541	10,686	501	10,890	283	40,364	2,759	4,831	15,932	11,187	11,172	43,123	0.63	0.95		
	OMR South Leg	Right Turn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Left Turn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Through	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Right Turn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Western Fwy West Leg	Left Turn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Through	6,604	424	14,873	1,509	8,911	499	11,527	293	41,914	2,724	7,027	16,382	9,410	11,819	44,639	0.90	0.81		
			Right Turn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Scenario 1 (2026)

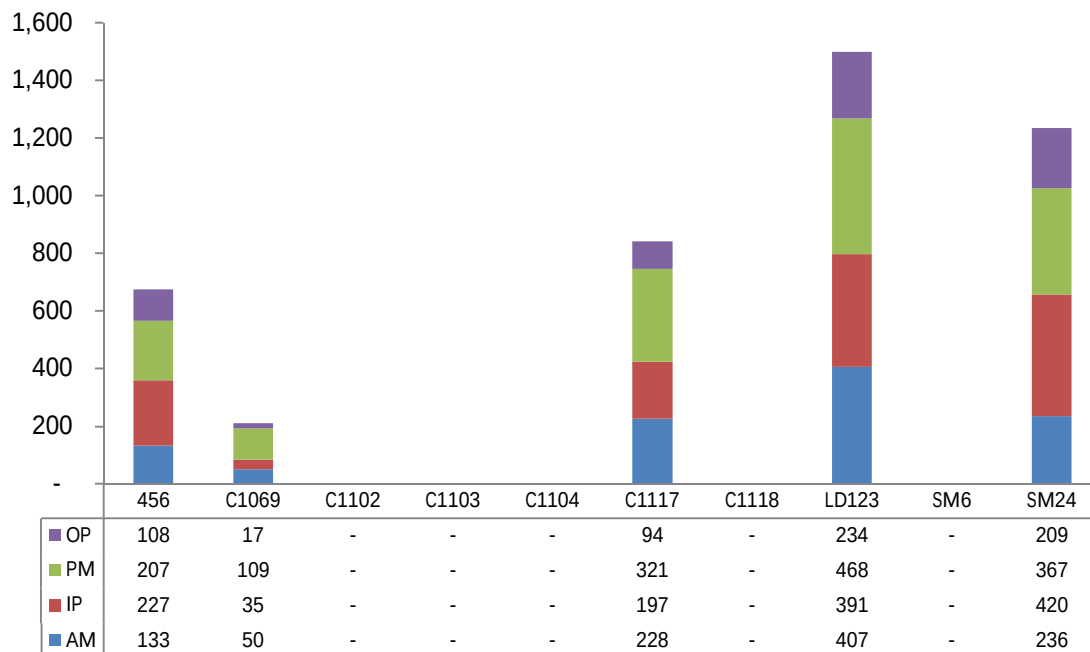
Bus Boardings (per direction) by route						
Description	Bus Route	AM	IP	PM	OP	DAILY
SUNSHINE - MELTON	456	59	87	125	66	337
SYDENHAM RS - CAROLINE SPRINGS (VIA TAYLORS HILL WEST)	C1069	25	15	78	14	131
CAROLINE SPRINGS TOWN CENTRE - CAROLINE SPRINGS RS	C1102	-	-	-	-	-
TARNEIT RS - PLUMPTON	C1103	-	-	-	-	-
CAROLINE SPRINGS - TOOLERN RS (VIA ROCKBANK RS)	C1104	-	-	-	-	-
SYDENHAM RS - PLUMPTON (VIA TAYLORS HILL) (COMPLETE)	C1117	34	68	270	64	436
ROCKBANK RS - ROCKBANK WEST (VIA PLUMPTON)	C1118	-	-	-	-	-
SYDENHAM RS - CAROLINE SPRINGS RS (VIA PLUMPTON & EASTERN ROCKBANK)	LD123	54	136	381	146	717
SYDENHAM - MELTON (VIA NORTHERN TOOLERN)	SM6	-	-	-	-	-
ST ALBANS - ROCKBANK RS	SM24	128	176	179	138	621
TOTAL		172	306	855	289	1,621
Description	Bus Route	AM	IP	PM	OP	DAILY
MELTON - SUNSHINE	2456	74	140	82	42	337
CAROLINE SPRINGS - SYDENHAM RS (VIA TAYLORS HILL WEST)	2C1069	25	19	31	4	79
CAROLINE SPRINGS RS - CAROLINE SPRINGS TOWN CENTRE	2C1102	-	-	-	-	-
PLUMPTON - TARNEIT RS	2C1103	-	-	-	-	-
TOOLERN RS - CAROLINE SPRINGS (VIA ROCKBANK RS)	2C1104	-	-	-	-	-
PLUMPTON - SYDENHAM RS (VIA TAYLORS HILL) (COMPLETE)	2C1117	193	129	52	31	404
ROCKBANK WEST - ROCKBANK RS (VIA PLUMPTON)	2C1118	-	-	-	-	-
CAROLINE SPRINGS RS - SYDENHAM RS (VIA PLUMPTON & EASTERN ROCKBANK)	2LD123	353	255	87	88	783
MELTON - SYDENHAM (VIA NORTHERN TOOLERN)	2SM6	-	-	-	-	-
ROCKBANK RS - ST ALBANS	2SM24	108	245	188	71	612
TOTAL		645	543	251	164	1,603
Bus Boardings (2 way volumes)						
Description	Bus Route	AM	IP	PM	OP	DAILY
SUNSHINE - MELTON	456	133	227	207	108	674
SYDENHAM RS - CAROLINE SPRINGS (VIA TAYLORS HILL WEST)	C1069	50	35	109	17	211
CAROLINE SPRINGS TOWN CENTRE - CAROLINE SPRINGS RS	C1102	-	-	-	-	-
TARNEIT RS - PLUMPTON	C1103	-	-	-	-	-
CAROLINE SPRINGS - TOOLERN RS (VIA ROCKBANK RS)	C1104	-	-	-	-	-
SYDENHAM RS - PLUMPTON (VIA TAYLORS HILL) (COMPLETE)	C1117	228	197	321	94	840
ROCKBANK RS - ROCKBANK WEST (VIA PLUMPTON)	C1118	-	-	-	-	-
SYDENHAM RS - CAROLINE SPRINGS RS (VIA PLUMPTON & EASTERN ROCKBANK)	LD123	407	391	468	234	1,500
SYDENHAM - MELTON (VIA NORTHERN TOOLERN)	SM6	-	-	-	-	-
ST ALBANS - ROCKBANK RS	SM24	236	420	367	209	1,233
TOTAL		817	849	1,106	453	3,225
Train Boardings						
Train Line	Station	AM	IP	PM	OP	DAILY
Melton Line	Sunshine	3,762	3,805	2,362	1,271	11,200
	Ardeer	167	233	66	59	526
	Deer Park	2,553	2,483	436	593	6,065
	Caroline Springs	1,840	1,145	90	272	3,348
	Hopkins Road	-	-	-	-	-
	Rockbank	794	699	109	167	1,769
	Toolern Road	731	618	143	159	1,651
	Melton	7,835	6,506	666	1,650	16,657
TOTAL		17,682	15,491	3,873	4,172	41,217

Scenario 1 (2026)

Melton Line Train Station - Boardings by Time Period

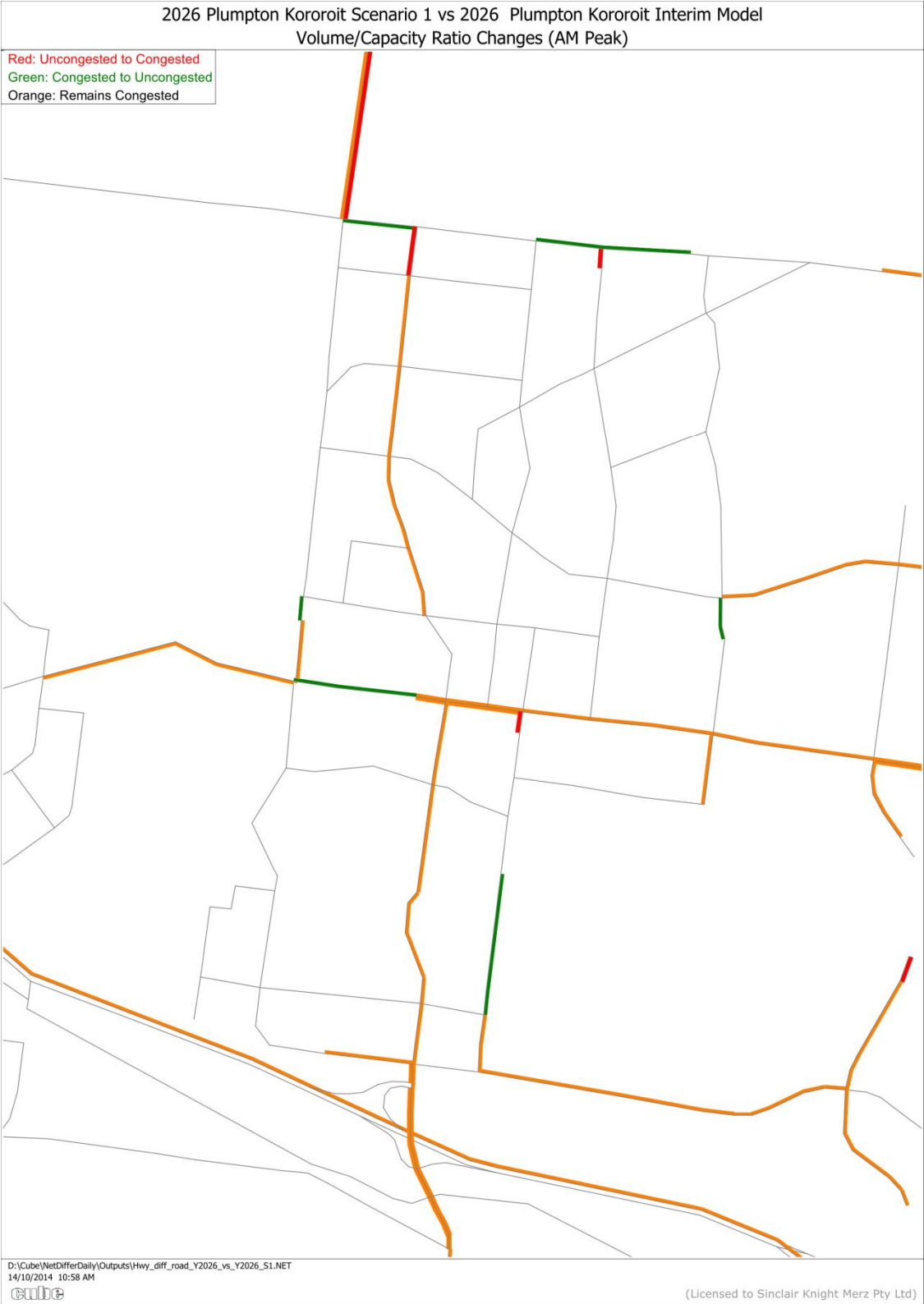


Two-way Bus Boardings - Time Period











Appendix D. Scenario 2 Model Results



2026 Plumpton Kororoit Scenario 2
AM Peak Traffic Volumes (Hourly)
(Volumes < 100 omitted)



F:\VITM2012_V120423_WGA_Plumpton_Kororoit\Base\Y2026_WGA_v2\Y2026_PK\Y2026_PK_S1\S2\Daily_Net_Roads_S2.dat
10/12/2014 11:29 AM

cube

(Licensed to Sinclair Knight Merz Pty Ltd)







Plumpton Kororoit 2026 S2_v2			Traffic Volumes																			
			(7am-9am)		IP (9am-3pm)		PM (3pm-6pm)		OP (6pm-7am)		Daily 24 Hour		AM (7am-9am)	IP (9am-3pm)	PM (3pm-6pm)	OP (6pm-7am)	Daily 24 Hour	V/C	V/C			
Type:	Location:	Flow:	Light	Heavy	Light	Heavy	Light	Heavy	Light	Heavy	Light	Heavy	Light	Heavy	All	All	All	All	All	AM	PM	
Plumpton Kororoit (N-S Roads)	Plumpton Road north of Tarleton Road	S BD	2	-	121	0	646	1	7	-	777	1	2	122	648	7	778	0.00	0.62			
		N BD	304	1	324	0	199	0	8	-	836	1	305	325	200	8	837	0.44	0.19			
	Plumpton Road south of Tarleton Road	S BD	146	0	562	0	680	1	266	0	1,654	1	146	563	681	266	1,655	0.21	0.65			
		N BD	397	1	645	0	358	0	265	0	1,664	1	397	645	358	265	1,665	0.57	0.34			
	Plumpton Road north of Taylors Road	S BD	454	4	991	8	699	1	611	1	2,754	14	457	999	700	613	2,769	0.66	0.67			
		N BD	286	0	885	10	744	6	591	2	2,507	16	286	885	750	593	2,512	0.41	0.72			
	Plumpton Road south of Taylors Road	S BD	219	0	690	1	796	1	460	0	2,164	2	220	691	796	460	2,165	0.31	0.76			
		N BD	511	1	833	2	478	1	-	-	1,822	4	512	835	479	-	1,826	0.73	0.46			
	Plumpton Road north of Neales Road	S BD	465	6	808	13	435	1	-	-	1,707	20	471	820	436	-	1,727	0.68	0.42			
		N BD	198	1	663	15	730	10	-	-	1,591	25	199	677	740	-	1,616	0.28	0.71			
	Hopkins Road south of Melton Highway	S BD	1,083	1	3,957	51	2,670	17	2,196	17	9,906	87	1,084	4,008	2,687	2,214	9,992	0.54	0.90			
		N BD	1,746	23	4,176	47	2,411	4	-	-	8,333	73	1,770	4,222	2,414	-	8,406	0.89	0.81			
	Hopkins Road immediately west of Major Town Center	S BD	1,041	9	4,896	95	3,371	8	2,640	26	11,948	138	1,050	4,991	3,379	2,667	12,087	0.53	1.15			
		N BD	2,002	14	5,672	104	2,502	22	2,513	30	12,689	170	2,016	5,776	2,524	2,543	12,859	0.81	0.85			
	Hopkins Road south of Tarleton Road	S BD	659	4	3,357	93	2,759	9	1,880	26	8,655	133	663	3,450	2,768	1,906	8,787	0.33	0.92			
		N BD	1,703	14	4,098	103	1,704	15	1,855	30	9,360	161	1,717	4,201	1,720	1,885	9,522	0.86	0.58			
	Hopkins Road north of Taylors Road	S BD	767	19	2,957	122	2,093	6	1,785	31	7,602	178	786	3,080	2,098	1,816	7,780	0.40	0.70			
		N BD	1,281	11	3,330	138	1,620	38	1,791	37	8,022	223	1,292	3,467	1,659	1,827	8,245	0.65	0.56			
	Hopkins Road south of Taylors Road	S BD	238	3	657	23	857	1	244	0	1,996	28	241	681	858	245	2,024	0.35	0.82			
		N BD	541	6	862	27	585	9	-	-	1,988	42	547	888	594	-	2,029	0.79	0.57			
	Hopkins Road north of Neales Road	S BD	685	7	1,307	6	630	1	590	0	3,212	14	692	1,313	631	590	3,226	0.99	0.60			
		N BD	289	0	1,100	3	1,075	10	625	1	3,089	14	290	1,103	1,085	626	3,103	0.41	0.86			
	Hopkins Road south of Neales Road	S BD	1,742	207	4,201	448	2,743	13	2,684	68	11,369	735	1,948	4,648	2,756	2,752	12,105	1.53	0.92			
		N BD	1,455	22	4,709	400	3,150	256	3,182	78	12,497	756	1,477	5,109	3,405	3,261	13,253	0.74	1.18			
	NS Road 1 south of Melton Highway	S BD	212	1	280	17	536	39	-	-	1,028	57	213	297	574	-	1,085	0.31	0.57			
		N BD	317	22	337	12	291	1	-	-	945	35	339	349	292	-	980	0.50	0.28			
	NS Road 1 north of Tarleton Road	S BD	108	5	312	8	336	1	-	-	756	14	113	320	337	-	769	0.16	0.32			
		N BD	213	0	284	10	225	8	155	2	877	20	213	295	233	157	898	0.30	0.23			
	NS Road 1 north of Taylors Road	S BD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		N BD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	NS Arterial 2 south of Melton Highway	S BD	249	1	858	23	938	12	588	5	2,632	40	250	880	949	593	2,673	0.36	0.91			
		N BD	604	8	1,021	17	517	1	584	4	2,726	30	612	1,038	518	587	2,756	0.88	0.49			
	NS Arterial 2 between Melton Highway and Tarleton Road	S BD	38	2	87	4	184	1	86	4	395	11	40	91	185	90	406	0.06	0.18			
		N BD	79	0	126	10	85	3	-	-	291	13	80	137	88	-	394	0.11	0.08			
	NS Arterial 2 north of Tarleton Road	S BD	303	8	600	15	380	1	373	6	1,657	29	311	615	381	379	1,681	0.45	0.36			
		N BD	151	0	559	23	469	12	367	9	1,546	45	152	583	481	376	1,591	0.22	0.46			
	NS Arterial 2 north of Taylors Road	S BD	158	8	537	54	450	1	413	14	1,557	77	165	591	451	427	1,634	0.24	0.43			
		N BD	331	2	525	76	346	19	413	20	1,615	118	333	601	365	434	1,733	0.48	0.36			
	Sinclair Road south of Taylors Road	S BD	432	21	1,404	58	1,139	3	1,249	23	4,224	105	453	1,462	1,143	1,272	4,330	0.66	1.09			
		N BD	759	3	1,572	49	847	21	1,272	22	4,450	96	762	1,621	869	1,294	4,545	1.09	0.84			
	Sinclair Road between Taylors Road and Neale Road	S BD	708	36	1,651	102	768	2	1,309	28	4,425	169	744	1,752	1,337	1,337	4,584	0.84	1.06			
		N BD	451	7	1,571	92	1,186	48	1,324	28	4,531	176	459	1,663	1,234	1,351	4,707	0.66	1.25			
	Sinclair Road south of Neale Road	S BD	657	33	1,404	101	637	2	1,178	28	3,876	165	690	1,506	639	1,206	4,041	1.01	0.61			
		N BD	330	7	1,323	92	1,051	42	1,150	27	3,854	169	338	1,416	1,093	1,178	4,023	0.49	1.06			

Plumpton Kororoit 2026 S2_v2			Traffic Volumes																	
			AM (7am-9am)		IP (9am-3pm)		PM (3pm-6pm)		OP (6pm-7am)		Daily 24 Hour		AM (7am-9am)	IP (9am-3pm)	PM (3pm-6pm)	OP (6pm-7am)	Daily 24 Hour	V/C	V/C	
Type:	Location:	Flow:	Light	Heavy	Light	Heavy	Light	Heavy	Light	Heavy	Light	Heavy	All	All	All	All	All	AM	PM	
Plumpton Kororoit (E-W Roads)	Melton Highway west of Hopkins Road	E BD	2,032	30	6,730	118	5,291	33	3,428	25	17,481	206	2,062	6,848	5,324	3,453	17,687	0.52	0.89	
	W BD	2,713	34	7,413	123	4,524	36	3,380	24	18,030	218	2,747	7,537	4,560	3,404	18,248	0.69	0.76		
	Melton Highway east of NS Arterial 2	E BD	2,101	63	4,877	111	3,722	25	2,311	15	13,012	214	2,164	4,988	3,747	2,326	13,225	0.55	0.63	
	W BD	1,660	17	5,123	130	3,877	90	2,233	18	12,893	256	1,677	5,253	3,968	2,252	13,150	0.42	0.67		
	EW Road 2 running through Major Town Center	E BD	36	0	192	0	188	1	-	-	416	1	36	192	189	-	417	0.05	0.18	
	W BD	57	-	229	0	109	0	-	-	394	0	57	229	109	-	395	0.08	0.10		
	Tarleton Road overpass of OMR west of Plumpton Road	E BD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	W BD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Tarleton Road east of Hopkins Road	E BD	417	5	1,396	2	924	1	640	0	3,377	7	422	1,397	925	640	3,385	0.24	0.34	
	W BD	385	1	1,551	1	986	8	539	0	3,461	10	386	1,552	993	539	3,471	0.21	0.37		
	Tarleton Road east of NS Arterial 2	E BD	1,276	35	1,579	9	1,306	3	803	1	4,964	48	1,311	1,588	1,309	804	5,012	0.74	0.49	
	W BD	496	1	1,495	5	2,188	60	730	1	4,909	68	497	1,500	2,248	731	4,976	0.28	0.84		
	Taylors Road west of Plumpton Road	E BD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	W BD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Taylors Road between Hopkins Road and Sinclairs Road	E BD	1,404	21	3,723	112	2,204	7	2,473	33	9,804	174	1,425	3,835	2,211	2,506	9,978	0.72	0.74	
	W BD	1,160	6	3,638	123	2,361	37	2,471	37	9,630	204	1,166	3,762	2,397	2,508	9,834	0.58	0.81		
	Taylors Road east of Sinclairs Road	E BD	1,556	27	3,964	155	2,209	10	2,616	34	10,346	227	1,584	4,120	2,219	2,650	10,573	0.80	0.74	
	W BD	1,208	11	3,662	206	2,410	53	2,603	49	9,884	319	1,218	3,868	2,464	2,652	10,202	0.61	0.83		
	EW Road 4 between Plumpton Road and Hopkins Road	E BD	393	1	753	2	515	1	-	-	1,661	4	394	755	516	-	1,665	0.56	0.49	
	W BD	330	0	669	1	647	0	-	-	1,646	2	330	671	648	-	1,648	0.47	0.62		
	Neale Road west of Hopkins Road	E BD	713	5	1,410	12	682	2	843	3	3,648	22	719	1,422	684	845	3,670	1.03	0.65	
	W BD	360	1	1,199	14	1,105	7	879	3	3,543	26	361	1,213	1,112	862	3,569	0.52	0.48		
	Neale Road east of Sinclairs Road	E BD	1,441	17	2,215	292	1,369	201	1,118	48	6,143	558	1,459	2,907	1,570	1,166	6,701	0.81	0.62	
W BD	652	166	1,206	330	2,244	12	664	37	4,766	545	817	1,536	2,257	701	5,311	0.50	0.84			
FREeway VOLUMES																				
Western Freeway	Between OMR /Western Fwy Interchange and Hopkins Road Interchange	SE BD	6,683	442	16,237	1,510	9,274	496	12,520	295	44,913	2,743	7,325	17,747	9,770	12,815	47,656	0.94	0.83	
		NW BD	7,786	439	16,055	1,544	10,406	498	11,894	284	43,680	2,765	5,225	17,599	11,444	12,178	46,446	0.68	0.97	
	East of Hopkins Road Interchange	SE BD	4,715	446	16,148	1,655	8,805	500	12,336	309	44,904	2,910	8,061	17,803	9,304	12,646	47,814	1.04	0.80	
		NW BD	4,259	469	15,256	1,702	12,169	542	12,214	304	43,898	3,018	4,728	16,959	12,711	12,518	46,916	0.62	1.06	
Outer Ring Road	Between OMR /Western Fwy Interchange and Taylors Road Interchange	N BD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		S BD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Between Taylors Road Interchange and Melton Highway Interchange	N BD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		S BD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

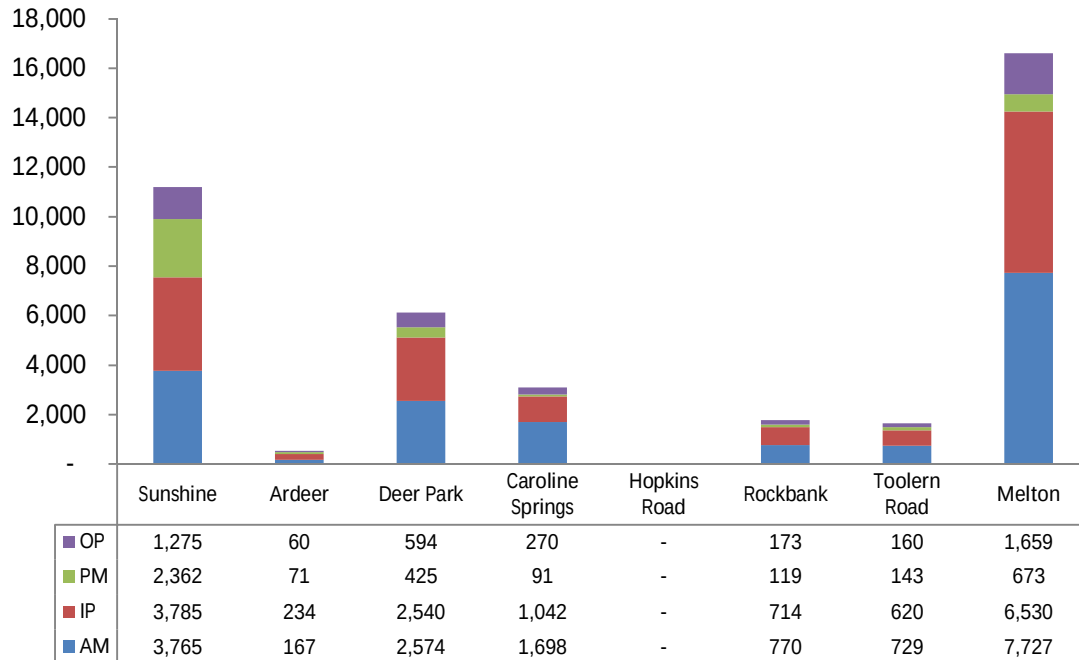
Plumpton Kororoit 2026 S2_v2				Traffic Volumes																
Type:	Location:	Flow	Ramp Type	AM (7am-9am)		IP (9am-3pm)		PM (3pm-6pm)		OP (6pm-7am)		Daily 24 Hour		AM (7am-9am)	IP (9am-3pm)	PM (3pm-6pm)	OP (6pm-7am)	Daily 24 Hour	V/C	
				Light	Heavy	Light	Heavy	Light	Heavy	Light	Heavy	Light	Heavy	All	All	All	All	All	AM	PM
Western Freeway Interchange	Hopkins Road	SE BD	Off	784	41	2,724	66	1,775	27	1,676	12	6,959	146	825	2,789	1,803	1,688	7,105	0.23	0.34
		SE BD	On	1,515	45	2,635	211	1,306	31	1,493	26	6,949	313	1,560	2,846	1,338	1,519	7,263	0.44	0.25
		NW BD	Off	448	54	1,717	211	2,008	46	1,580	28	5,752	339	502	1,928	2,054	1,607	6,091	0.15	0.38
		NW BD	On	974	24	2,515	52	785	2	1,260	8	5,535	86	998	2,568	787	1,268	5,621	0.03	0.01
OMR Interchange	Taylors Road	NE BD	Off	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		NE BD	On	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		SW BD	Off	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		SW BD	On	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Melton Highway	NE BD	Off	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		NE BD	On	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		SW BD	Off	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		SW BD	On	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Western Freeway / OMR Freeway to Freeway Interchange	OMR North Leg	Left Turn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Through	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Right Turn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Western Fwy East Leg	Left Turn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Through	4,786	439	16,055	1,544	10,946	498	11,894	284	43,680	2,765	5,225	17,599	11,444	12,178	46,446	0.68	0.97	
		Right Turn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	OMR South Leg	Left Turn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Through	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Right Turn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Western Fwy West Leg	Left Turn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Through	6,883	442	16,237	1,510	9,274	496	12,520	295	44,913	2,743	7,325	17,747	9,770	12,815	47,656	0.94	0.83	
		Right Turn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Scenario 2 (2026)

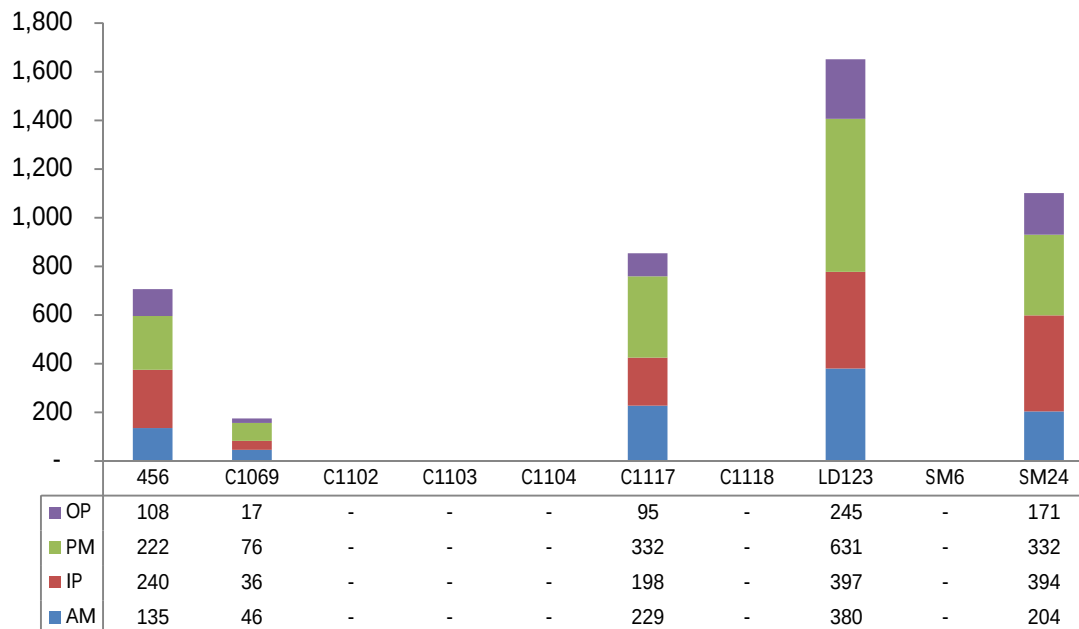
Bus Boardings (per direction) by route						
Description	Bus Route	AM	IP	PM	OP	DAILY
SUNSHINE - MELTON	456	58	90	136	64	348
SYDENHAM RS - CAROLINE SPRINGS (VIA TAYLORS HILL WEST)	C1069	18	17	49	13	97
CAROLINE SPRINGS TOWN CENTRE - CAROLINE SPRINGS RS	C1102	-	-	-	-	-
TARNEIT RS - PLUMPTON	C1103	-	-	-	-	-
CAROLINE SPRINGS - TOOLERN RS (VIA ROCKBANK RS)	C1104	-	-	-	-	-
SYDENHAM RS - PLUMPTON (VIA TAYLORS HILL) (COMPLETE)	C1117	33	68	279	64	445
ROCKBANK RS - ROCKBANK WEST (VIA PLUMPTON)	C1118	-	-	-	-	-
SYDENHAM RS - CAROLINE SPRINGS RS (VIA PLUMPTON & EASTERN ROCKBANK)	LD123	78	130	529	153	890
SYDENHAM - MELTON (VIA NORTHERN TOOLERN)	SM6	-	-	-	-	-
ST ALBANS - ROCKBANK RS	SM24	91	163	196	110	561
TOTAL		188	305	992	294	1,779
Description	Bus Route	AM	IP	PM	OP	DAILY
MELTON - SUNSHINE	2456	77	150	87	44	358
CAROLINE SPRINGS - SYDENHAM RS (VIA TAYLORS HILL WEST)	2C1069	28	19	27	4	78
CAROLINE SPRINGS RS - CAROLINE SPRINGS TOWN CENTRE	2C1102	-	-	-	-	-
PLUMPTON - TARNEIT RS	2C1103	-	-	-	-	-
TOOLERN RS - CAROLINE SPRINGS (VIA ROCKBANK RS)	2C1104	-	-	-	-	-
PLUMPTON - SYDENHAM RS (VIA TAYLORS HILL) (COMPLETE)	2C1117	196	130	53	31	409
ROCKBANK WEST - ROCKBANK RS (VIA PLUMPTON)	2C1118	-	-	-	-	-
CAROLINE SPRINGS RS - SYDENHAM RS (VIA PLUMPTON & EASTERN ROCKBANK)	2LD123	302	267	102	91	763
MELTON - SYDENHAM (VIA NORTHERN TOOLERN)	2SM6	-	-	-	-	-
ROCKBANK RS - ST ALBANS	2SM24	113	231	136	61	541
TOTAL		603	566	269	170	1,608
Bus Boardings (2 way volumes)						
Description	Bus Route	AM	IP	PM	OP	DAILY
SUNSHINE - MELTON	456	135	240	222	108	706
SYDENHAM RS - CAROLINE SPRINGS (VIA TAYLORS HILL WEST)	C1069	46	36	76	17	175
CAROLINE SPRINGS TOWN CENTRE - CAROLINE SPRINGS RS	C1102	-	-	-	-	-
TARNEIT RS - PLUMPTON	C1103	-	-	-	-	-
CAROLINE SPRINGS - TOOLERN RS (VIA ROCKBANK RS)	C1104	-	-	-	-	-
SYDENHAM RS - PLUMPTON (VIA TAYLORS HILL) (COMPLETE)	C1117	229	198	332	95	854
ROCKBANK RS - ROCKBANK WEST (VIA PLUMPTON)	C1118	-	-	-	-	-
SYDENHAM RS - CAROLINE SPRINGS RS (VIA PLUMPTON & EASTERN ROCKBANK)	LD123	380	397	631	245	1,653
SYDENHAM - MELTON (VIA NORTHERN TOOLERN)	SM6	-	-	-	-	-
ST ALBANS - ROCKBANK RS	SM24	204	394	332	171	1,101
TOTAL		791	871	1,261	464	3,387
Train Boardings						
Train Line	Station	AM	IP	PM	OP	DAILY
Melton Line	Sunshine	3,765	3,785	2,362	1,275	11,187
	Ardeer	167	234	71	60	531
	Deer Park	2,574	2,540	425	594	6,134
	Caroline Springs	1,698	1,042	91	270	3,101
	Hopkins Road	-	-	-	-	-
	Rockbank	770	714	119	173	1,775
	Toolern Road	729	620	143	160	1,652
	Melton	7,727	6,530	673	1,659	16,590
TOTAL		17,430	15,464	3,884	4,190	40,968

Scenario 2 (2026)

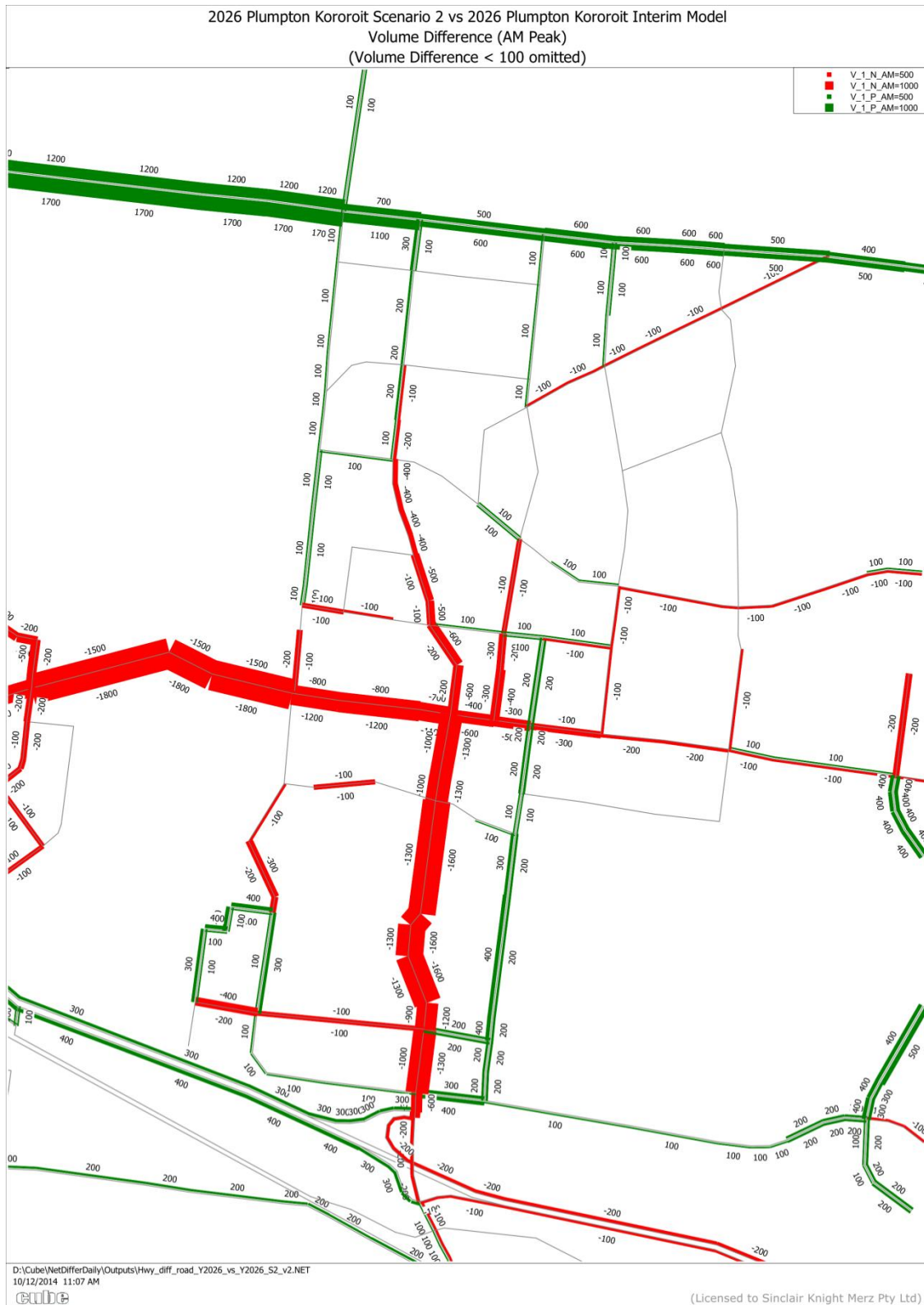
Melton Line Train Station - Boardings by Time Period



Two-way Bus Boardings - Time Period

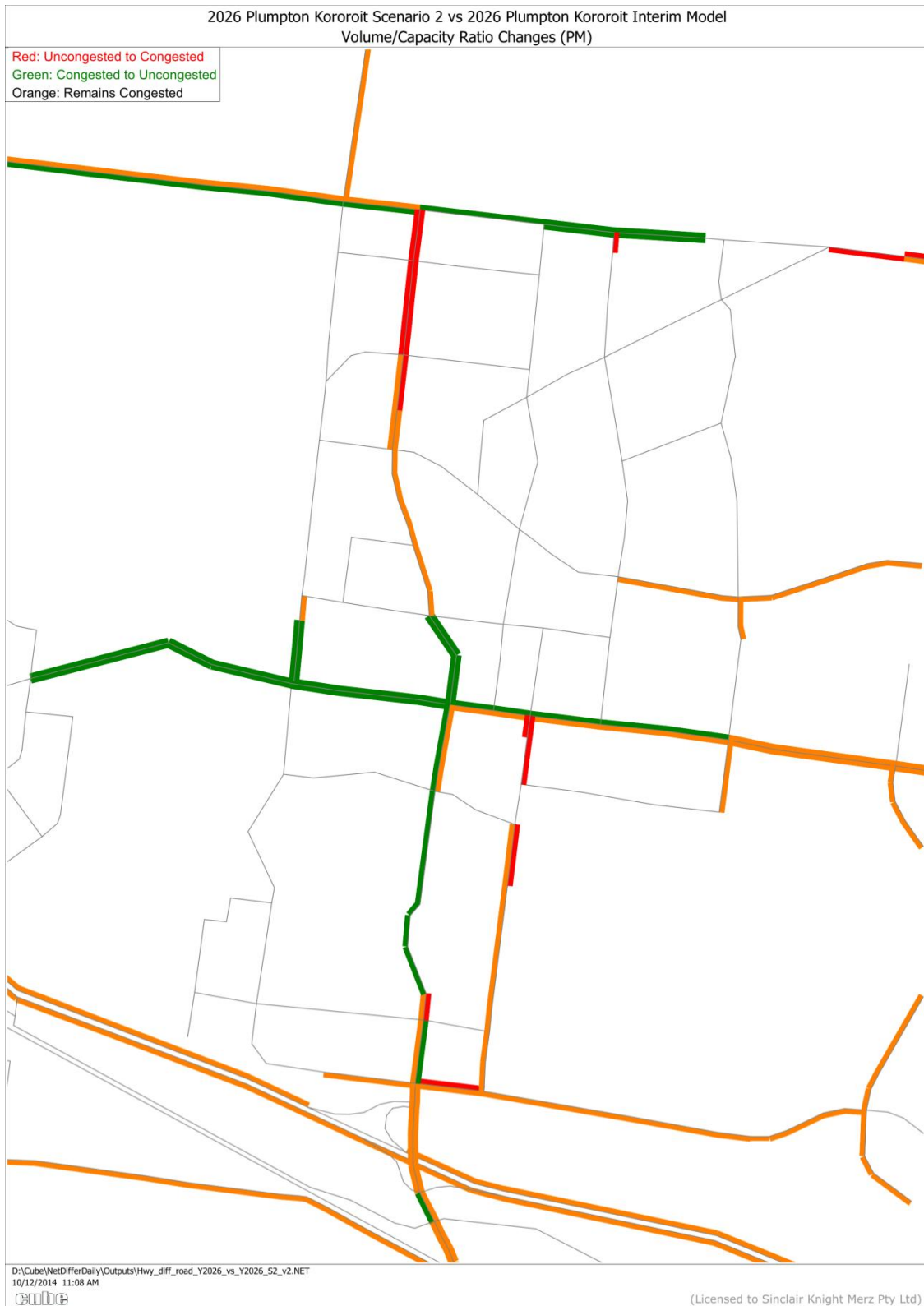






















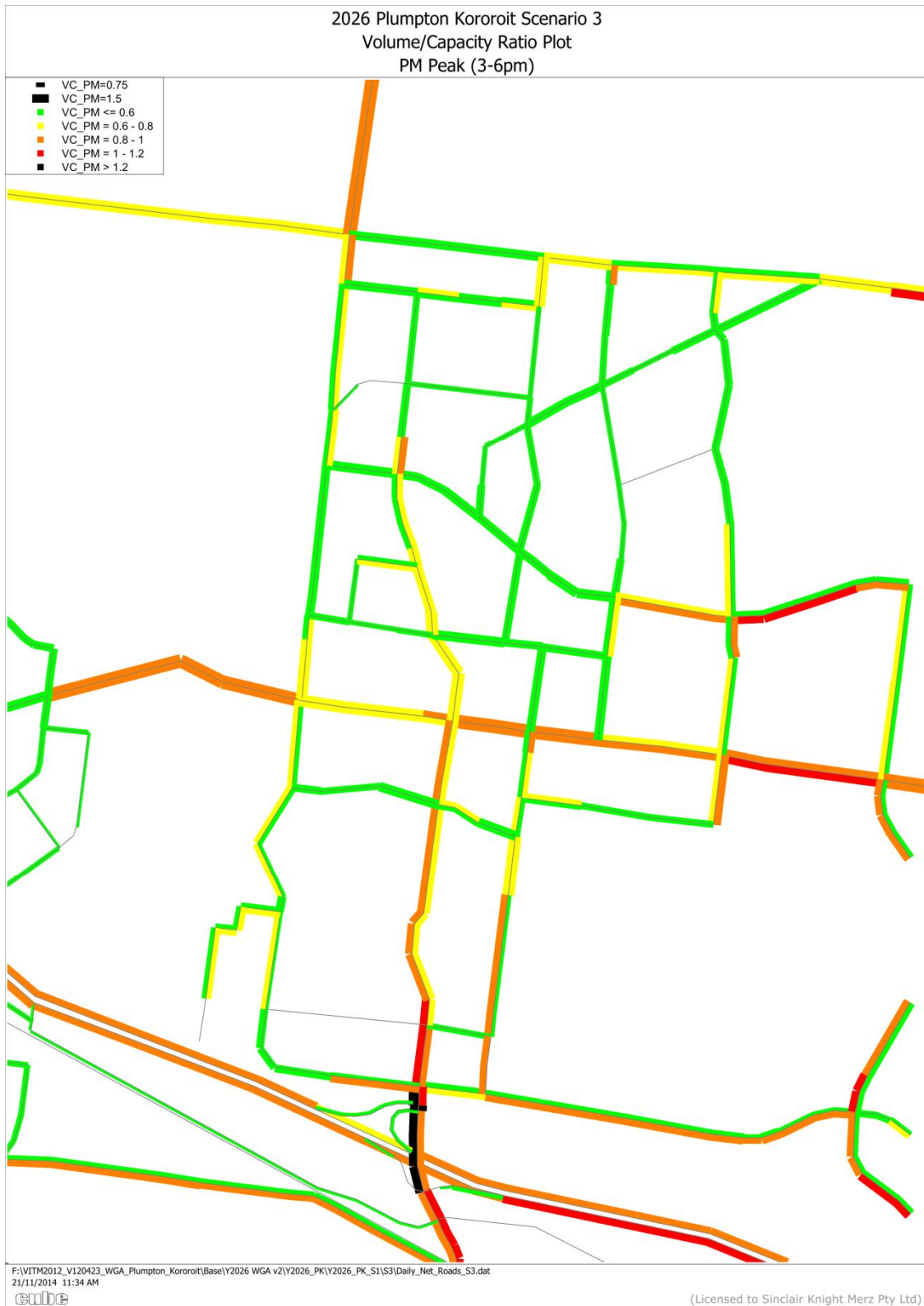
2026 Plumpton Kororoit Scenario 3
PM Peak Traffic Volumes (Hourly)
(Volumes < 50 omitted)



cube

(Licensed to Sinclair Knight Merz Pty Ltd)





PSP 1078 Plumpton and PSP 1080 Kororoit:
Transport Modelling Report



Plumpton Kororoit 2026 S3			Traffic Volumes																	
Type:	Location:	Flow:	AM (7am-9am)		IP (9am-3pm)		PM (3pm-6pm)		OP (6pm-7am)		Daily 24 Hour		AM (7am-9am)	IP (9am-3pm)	PM (3pm-6pm)	OP (6pm-7am)	Daily 24 Hour		V/C	V/C
			Light	Heavy	Light	Heavy	Light	Heavy	Light	Heavy	Light	Heavy	All	All	All	All	All	All	AM	PM
Plumpton Kororoit (N-S Road)	Plumpton Road north of Tarleton Road	S BD	488	25	1,279	80	1,647	21	1,096	22	4,508	147	511	1,358	1,668	1,118	4,655	0.33	0.70	
		N BD	1,044	20	1,674	78	1,212	24	1,146	20	5,075	141	1,064	1,751	1,235	1,168	5,216	0.67	0.52	
	Plumpton Road south of Tarleton Road	S BD	370	0	1,224	1	1,217	2	582	0	3,353	3	370	1,225	1,218	582	3,356	0.23	0.51	
		N BD	837	2	1,475	2	971	4	652	0	3,886	7	839	1,479	974	653	3,893	0.52	0.41	
	Plumpton Road north of Taylors Road	S BD	979	4	2,286	9	1,534	1	1,286	2	6,096	16	984	2,295	1,536	1,288	6,102	0.62	0.64	
		N BD	925	2	2,341	11	1,821	10	1,294	2	6,381	24	926	2,352	1,831	1,296	6,408	0.58	0.76	
	Plumpton Road south of Taylors Road	S BD	585	3	1,361	2	1,173	1	737	6	3,856	5	588	1,363	1,174	737	3,861	0.37	0.49	
		N BD	748	1	1,591	2	1,452	9	-	-	3,830	11	749	1,592	1,500	-	3,841	0.47	0.63	
	Plumpton Road north of Neales Road	S BD	688	9	609	13	415	1	-	-	1,712	23	697	622	416	-	1,735	0.44	0.17	
		N BD	174	1	502	14	1,420	18	-	-	2,095	33	174	516	1,438	-	2,128	0.11	0.60	
	Hopkins Road south of Melton Highway	S BD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		N BD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hopkins Road immediately west of Major Town Center	S BD	548	33	2,860	44	2,088	2	1,087	10	6,583	90	582	2,904	2,090	1,098	6,673	0.37	0.87	
		N BD	932	3	3,298	55	1,461	35	941	15	6,632	108	936	3,353	1,496	956	6,740	0.59	0.63	
	Hopkins Road south of Tarleton Road	S BD	679	87	2,190	123	1,767	21	1,393	32	6,929	232	634	2,213	1,789	1,425	6,169	0.41	0.75	
		N BD	1,066	21	2,598	131	1,293	54	1,352	34	6,309	240	1,087	2,729	1,347	1,388	6,549	0.69	0.57	
	Hopkins Road north of Taylors Road	S BD	979	95	2,669	226	1,670	21	1,857	47	7,176	389	1,074	2,895	1,692	1,904	7,565	0.70	0.71	
		N BD	1,007	22	2,658	254	1,633	133	1,850	54	7,148	484	1,029	2,912	1,767	1,905	7,611	0.66	0.76	
	Hopkins Road south of Taylors Road	S BD	1,299	163	3,297	388	2,250	24	2,486	89	9,311	603	1,492	3,675	2,273	2,573	9,974	0.77	0.76	
		N BD	1,393	29	3,281	437	2,144	184	-	-	6,818	650	1,422	3,717	2,328	-	7,467	0.72	0.81	
	Hopkins Road north of Neales Road	S BD	1,618	170	4,028	414	2,383	27	3,021	95	11,550	705	1,787	4,442	2,410	3,116	11,755	0.94	0.81	
		N BD	1,527	30	3,787	467	2,502	192	3,286	119	10,872	808	1,387	4,254	2,695	3,375	11,681	0.69	0.93	
	Hopkins Road south of Neales Road	S BD	2,286	255	5,192	580	3,172	33	3,616	121	14,186	889	2,581	5,771	3,146	3,727	15,175	0.83	0.83	
		N BD	1,719	36	4,827	598	3,943	272	4,122	148	14,611	1,054	1,755	5,425	4,216	4,270	15,666	0.89	0.44	
	NS Road 1 south of Melton Highway	S BD	361	14	1,019	19	720	25	-	-	2,100	58	375	1,038	745	-	2,158	0.55	0.72	
		N BD	424	17	1,052	15	684	2	-	-	2,160	34	441	1,067	686	-	2,194	0.64	0.65	
	NS Road 1 north of Tarleton Road	S BD	146	12	387	32	353	1	-	-	896	46	158	419	364	-	941	0.23	0.35	
		N BD	234	1	358	40	334	49	174	2	1,100	92	235	397	383	176	1,192	0.34	0.39	
	NS Road 1 north of Taylors Road	S BD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		N BD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	NS Arterial 2 south of Melton Highway	S BD	228	3	829	22	880	12	558	5	2,495	41	231	851	892	563	2,537	0.33	0.86	
		N BD	588	8	990	16	525	8	557	3	2,661	35	596	1,006	533	560	2,696	0.86	0.51	
	NS Arterial 2 between Melton Highway and Tarleton Road	S BD	52	3	110	0	131	0	125	3	418	7	55	110	132	128	425	0.08	0.13	
		N BD	63	0	109	0	104	1	-	-	276	1	63	109	105	-	278	0.09	0.10	
	NS Arterial 2 north of Tarleton Road	S BD	335	15	571	11	330	0	386	7	1,622	33	350	581	330	393	1,655	0.51	0.31	
		N BD	145	0	490	13	518	10	382	11	1,535	34	145	503	529	393	1,569	0.21	0.51	
	NS Arterial 2 north of Taylors Road	S BD	268	18	605	41	531	10	486	8	1,887	89	284	646	532	494	1,995	0.42	0.51	
		N BD	344	4	674	81	499	15	503	12	2,044	89	348	735	514	515	2,111	0.50	0.60	
	Sincinairs Road south of Taylors Road	S BD	272	0	915	4	856	2	565	1	2,608	6	272	919	858	568	2,615	0.39	0.82	
		N BD	582	1	1,019	3	629	1	579	0	2,809	6	584	1,022	629	579	2,814	0.83	0.60	
	Sincinairs Road between Taylors Road and Neale Road	S BD	457	9	887	13	275	1	307	2	1,727	26	467	701	276	309	1,753	0.67	0.26	
		N BD	140	1	564	16	793	16	400	3	1,896	37	140	581	810	404	1,935	0.20	0.78	
	Sincinairs Road south of Neale Road	S BD	521	11	390	8	62	0	41	0	1,014	18	532	397	62	41	1,033	0.77	0.06	
		N BD	39	0	203	4	856	19	39	0	1,137	23	39	207	874	39	1,160	0.06	0.84	

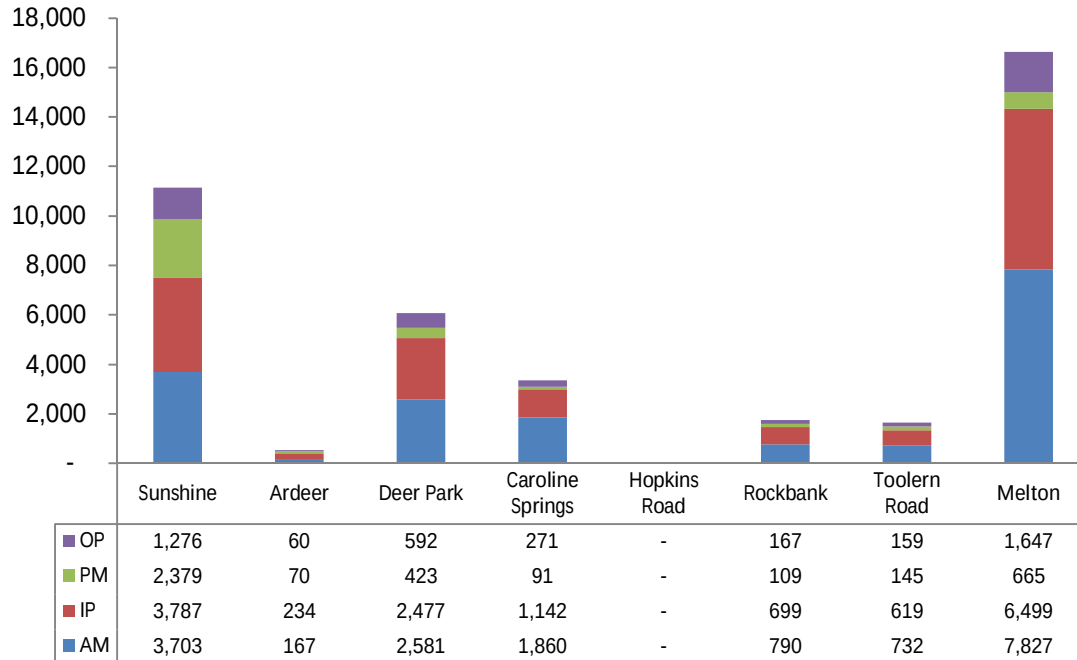
Plumpton Kororoit 2026 S3			Traffic Volumes																					
			AM		IP		PM		OP		Daily		AM		IP		PM		OP		Daily		V/C	V/C
			(7am-9am)	(9am-3pm)	(3pm-6pm)	(6pm-7am)	24 Hour	(7am-9am)	(9am-3pm)	(3pm-6pm)	(6pm-7am)	24 Hour	(7am-9am)	(9am-3pm)	(3pm-6pm)	(6pm-7am)	24 Hour	V/C	V/C					
Type:	Location:	Flow:	Light	Heavy	Light	Heavy	Light	Heavy	Light	Heavy	Light	Heavy	All	All	All	All	All	All	All	All	AM	PM		
Plumpton Kororoit (E-W Roads)	Melton Highway west of Hopkins Road	E BD	1,385	40	3,580	90	3,095	23	1,399	9	8,459	162	1,424	3,670	3,119	1,408	9,621	0.36	0.52					
		W BD	1,297	16	3,965	91	2,939	52	1,385	9	8,586	168	1,312	4,056	2,990	1,394	9,753	0.33	0.50					
	Melton Highway east of NS Arterial 2	E BD	1,958	64	4,331	119	3,351	31	1,838	13	11,479	226	2,022	4,451	3,982	1,854	11,706	0.51	0.57					
		W BD	1,448	31	4,526	130	3,584	87	1,823	17	11,380	265	1,479	4,656	3,670	1,839	11,645	0.37	0.82					
	EW Road 2 running through Major Town Center	E BD	69	1	123	-	231	0	-	-	424	1	70	123	232	-	425	0.10	0.22					
		W BD	55	2	176	0	150	0	-	-	381	3	57	176	150	-	384	0.08	0.14					
	Tarleton Road overpass of OMR west of Plumpton Road	E BD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		W BD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Tarleton Road east of Hopkins Road	E BD	431	2	1,342	1	1,364	3	484	0	3,621	6	433	1,343	1,367	484	3,626	0.24	0.51					
		W BD	417	1	1,515	1	1,022	3	409	0	3,363	4	418	1,516	1,025	409	3,365	0.23	0.38					
	Tarleton Road east of NS Arterial 2	E BD	1,307	27	2,107	64	1,446	5	784	2	8,844	98	1,394	2,171	1,651	786	5,942	0.75	0.61					
		W BD	608	5	1,981	49	2,172	49	714	2	5,474	105	613	2,030	2,220	716	5,580	0.34	0.83					
	Taylors Road west of Plumpton Road	E BD	1,478	4	5,006	15	2,871	2	2,812	4	12,166	25	1,483	5,021	2,873	2,815	12,191	0.74	0.96					
		W BD	1,764	2	5,296	8	2,832	2	2,746	2	12,638	15	1,789	5,304	2,835	2,749	12,654	0.88	0.95					
	Taylors Road between Hopkins Road and Sincinairs Road	E BD	1,635	11	5,157	200	2,744	53	3,458	62	12,984	339	1,647	5,307	2,797	3,519	13,320	0.83	0.94					
		W BD	1,655	70	5,268	174	2,723	6	3,203	45	12,850	295	1,725	5,443	2,728	3,248	13,144	0.88	0.91					
	Taylors Road east of Sincinairs Road	E BD	1,558	13	4,471	117	2,324	35	3,336	46	11,889	211	1,570	4,589	2,359	3,382	11,900	0.79	0.79					
		W BD	1,362	46	4,492	120	2,494	17	3,106	35	11,454	217	1,498	4,611	2,511	3,141	11,671	0.72	0.84					
	EW Road 4 between Plumpton Road and Hopkins Road	E BD	399	1	733	4	516	1	-	-	1,568	6	390	737	517	1,814	0.51	0.49						
W BD		317	1	655	2	587	1	-	-	1,558	4	318	657	587	-	1,562	0.45	0.56						
Neale Road west of Hopkins Road	E BD	1,067	10	1,348	16	870	2	807	3	3,892	31	1,067	1,363	673	810	3,913	0.67	0.28						
	W BD	310	1	1,073	15	1,966	19	845	3	4,193	38	1,111	1,088	1,994	848	4,231	0.19	0.83						
	E BD	1,486	16	1,431	116	1,075	68	607	47	4,459	229	1,501	1,481	1,895	844	4,885	0.84	0.81						
	W BD	513	75	1,092	148	2,452	29	431	24	4,489	277	568	1,240	2,481	455	4,765	0.35	0.92						
FREEWAY VOLUMES																								
Western Freeway	Between OMR Western Fwy Interchange and Hopkins Road Interchange	SE BD	6,350	418	14,887	1,509	8,977	499	11,537	293	41,971	2,718	6,899	16,395	9,475	11,830	44,689	0.80	0.81					
		NW BD	4,575	434	14,388	1,538	10,677	501	10,841	283	40,301	2,796	7,489	15,926	11,178	11,124	43,057	0.63	0.95					
	East of Hopkins Road Interchange	SE BD	7,714	460	15,592	1,729	8,979	498	12,734	338	49,149	3,013	8,512	18,312	10,987	12,922	49,987	0.82	0.81					
		NW BD	4,293	438	14,705	1,859	12,320	575	12,584	347	43,902	3,219	4,732	16,565	12,894	12,931	47,122	0.82	0.81					
	Between OMR Western Fwy Interchange and Taylors Road Interchange	N BD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		S BD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Quail Creek Australian Reg Road	Between Taylors Road Interchange and Melton Highway Interchange	N BD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
		S BD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			

Scenario 3 (2026)

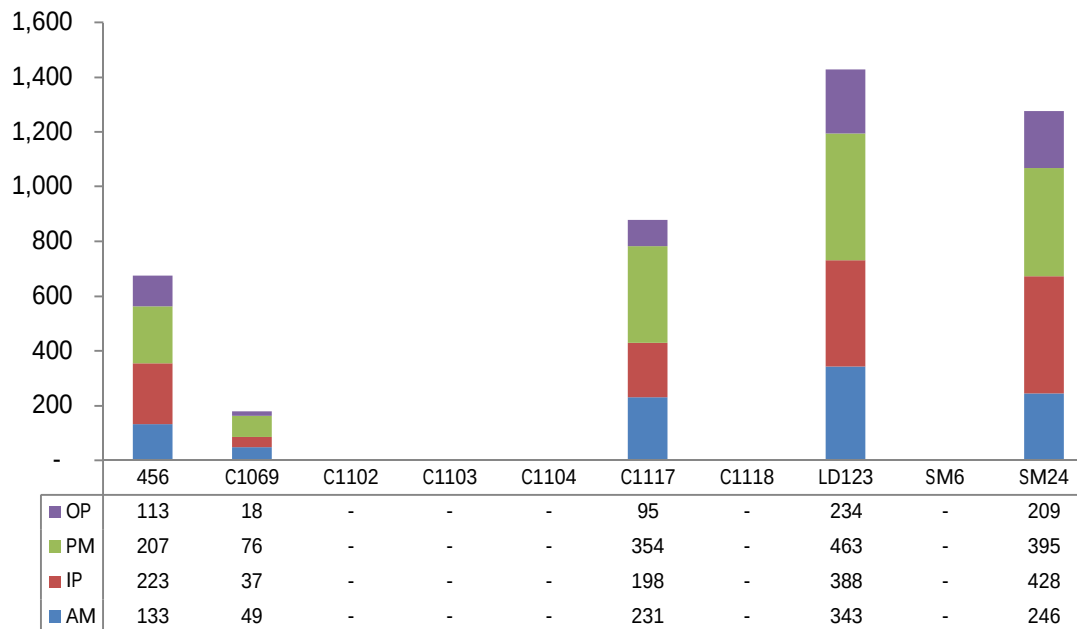
Bus Boardings (per direction) by route						
Description	Bus Route	AM	IP	PM	OP	DAILY
SUNSHINE - MELTON	456	59	83	127	70	340
SYDENHAM RS - CAROLINE SPRINGS (VIA TAYLORS HILL WEST)	C1069	24	17	45	14	100
CAROLINE SPRINGS TOWN CENTRE - CAROLINE SPRINGS RS	C1102	-	-	-	-	-
TARNEIT RS - PLUMPTON	C1103	-	-	-	-	-
CAROLINE SPRINGS - TOOLERN RS (VIA ROCKBANK RS)	C1104	-	-	-	-	-
SYDENHAM RS - PLUMPTON (VIA TAYLORS HILL) (COMPLETE)	C1117	34	68	302	64	467
ROCKBANK RS - ROCKBANK WEST (VIA PLUMPTON)	C1118	-	-	-	-	-
SYDENHAM RS - CAROLINE SPRINGS RS (VIA PLUMPTON & EASTERN ROCKBANK)	LD123	66	132	372	147	717
SYDENHAM - MELTON (VIA NORTHERN TOOLERN)	SM6	-	-	-	-	-
ST ALBANS - ROCKBANK RS	SM24	127	175	195	137	634
TOTAL		182	300	846	295	1,623
Description	Bus Route	AM	IP	PM	OP	DAILY
MELTON - SUNSHINE	2456	74	140	80	42	335
CAROLINE SPRINGS - SYDENHAM RS (VIA TAYLORS HILL WEST)	2C1069	25	19	31	4	80
CAROLINE SPRINGS RS - CAROLINE SPRINGS TOWN CENTRE	2C1102	-	-	-	-	-
PLUMPTON - TARNEIT RS	2C1103	-	-	-	-	-
TOOLERN RS - CAROLINE SPRINGS (VIA ROCKBANK RS)	2C1104	-	-	-	-	-
PLUMPTON - SYDENHAM RS (VIA TAYLORS HILL) (COMPLETE)	2C1117	198	130	52	31	410
ROCKBANK WEST - ROCKBANK RS (VIA PLUMPTON)	2C1118	-	-	-	-	-
CAROLINE SPRINGS RS - SYDENHAM RS (VIA PLUMPTON & EASTERN ROCKBANK)	2LD123	277	256	91	88	711
MELTON - SYDENHAM (VIA NORTHERN TOOLERN)	2SM6	-	-	-	-	-
ROCKBANK RS - ST ALBANS	2SM24	118	253	201	71	643
TOTAL		574	545	254	164	1,537
Bus Boardings (2 way volumes)						
Description	Bus Route	AM	IP	PM	OP	DAILY
SUNSHINE - MELTON	456	133	223	207	113	675
SYDENHAM RS - CAROLINE SPRINGS (VIA TAYLORS HILL WEST)	C1069	49	37	76	18	179
CAROLINE SPRINGS TOWN CENTRE - CAROLINE SPRINGS RS	C1102	-	-	-	-	-
TARNEIT RS - PLUMPTON	C1103	-	-	-	-	-
CAROLINE SPRINGS - TOOLERN RS (VIA ROCKBANK RS)	C1104	-	-	-	-	-
SYDENHAM RS - PLUMPTON (VIA TAYLORS HILL) (COMPLETE)	C1117	231	198	354	95	878
ROCKBANK RS - ROCKBANK WEST (VIA PLUMPTON)	C1118	-	-	-	-	-
SYDENHAM RS - CAROLINE SPRINGS RS (VIA PLUMPTON & EASTERN ROCKBANK)	LD123	343	388	463	234	1,428
SYDENHAM - MELTON (VIA NORTHERN TOOLERN)	SM6	-	-	-	-	-
ST ALBANS - ROCKBANK RS	SM24	246	428	395	209	1,277
TOTAL		756	846	1,100	459	3,160
Train Boardings						
Train Line	Station	AM	IP	PM	OP	DAILY
Melton Line	Sunshine	3,703	3,787	2,379	1,276	11,144
	Ardeer	167	234	70	60	531
	Deer Park	2,581	2,477	423	592	6,073
	Caroline Springs	1,860	1,142	91	271	3,364
	Hopkins Road	-	-	-	-	-
	Rockbank	790	699	109	167	1,765
	Toolern Road	732	619	145	159	1,655
	Melton	7,827	6,499	665	1,647	16,639
TOTAL		17,661	15,456	3,882	4,171	41,171

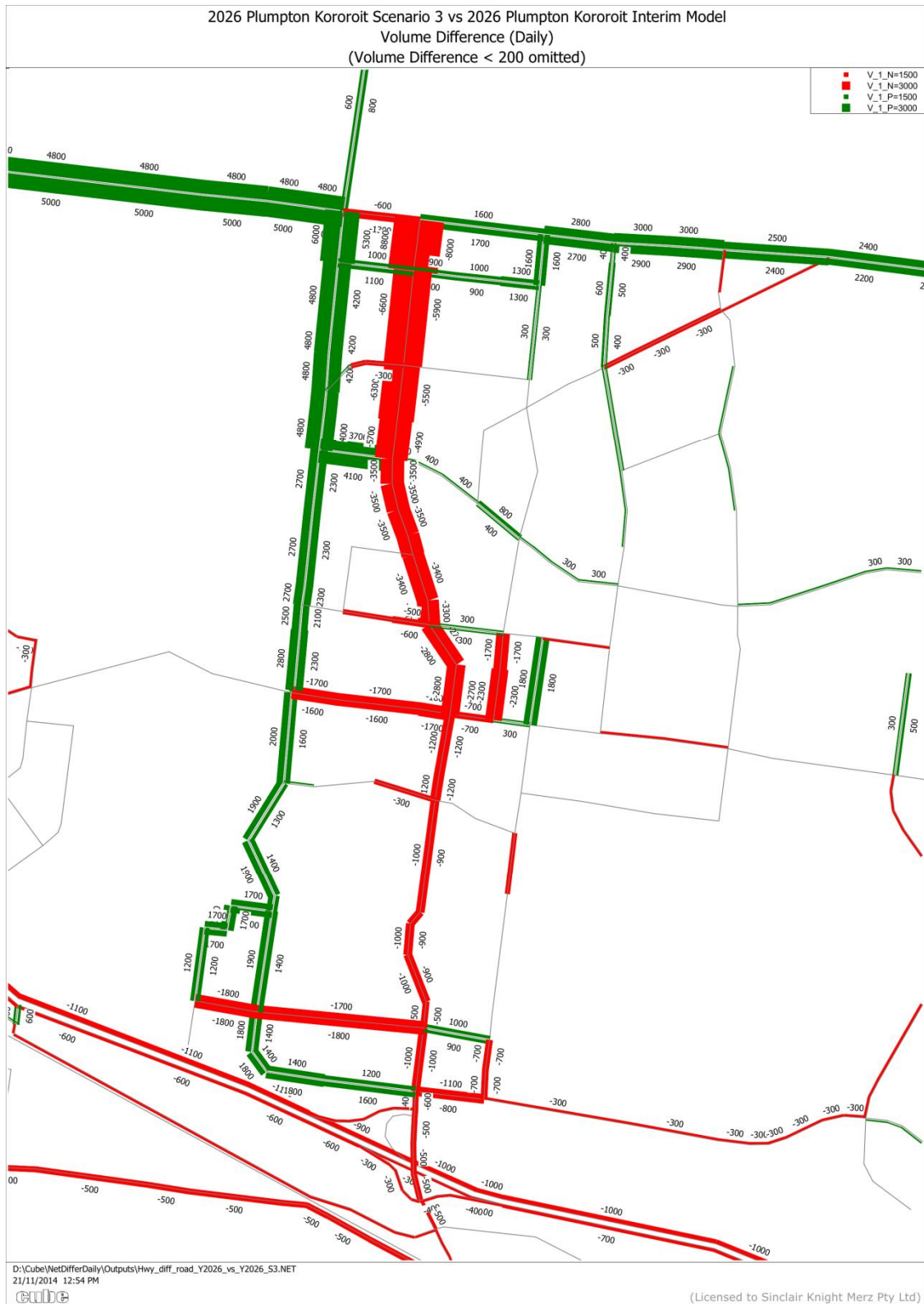
Scenario 3 (2026)

Melton Line Train Station - Boardings by Time Period



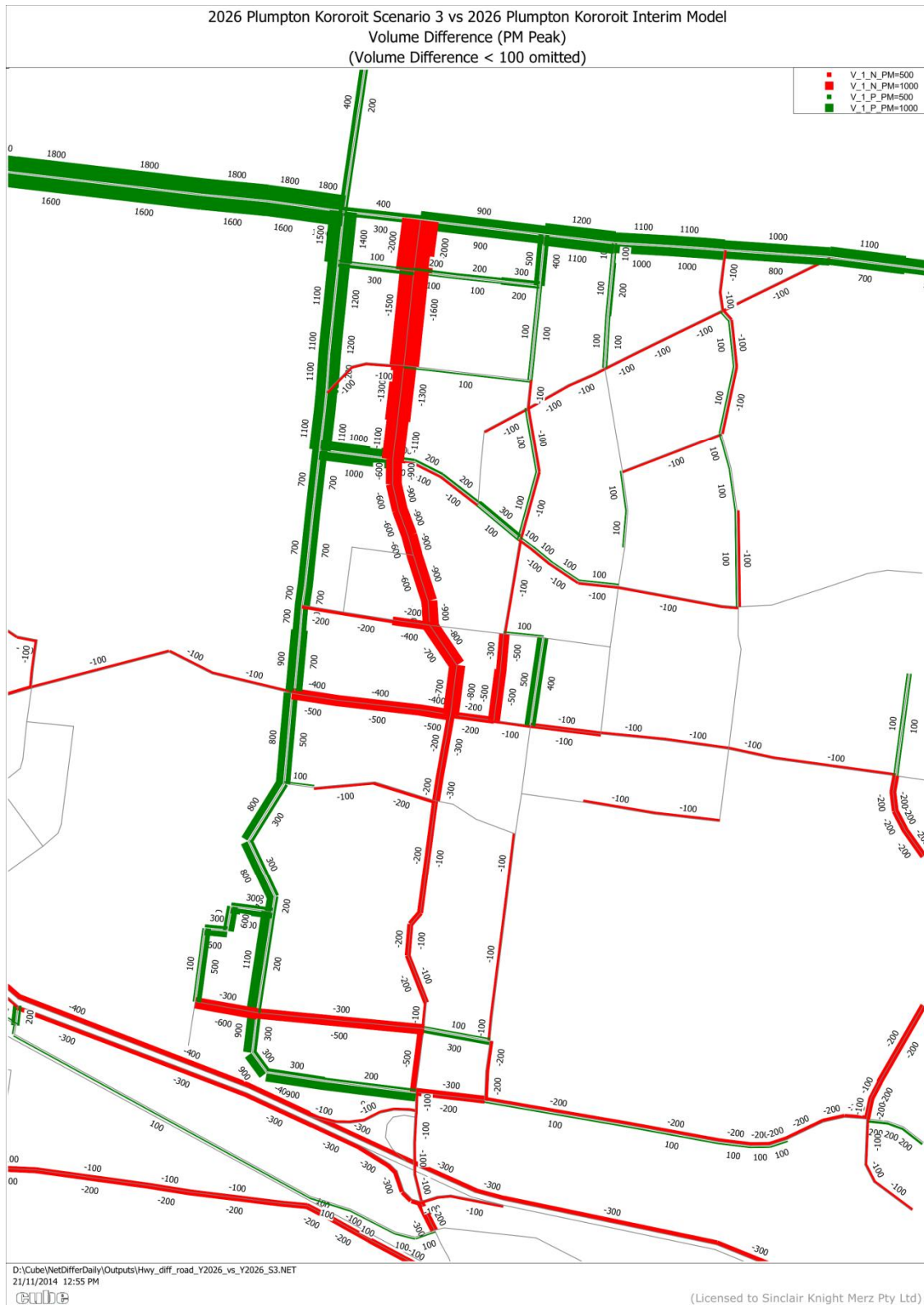
Two-way Bus Boardings - Time Period



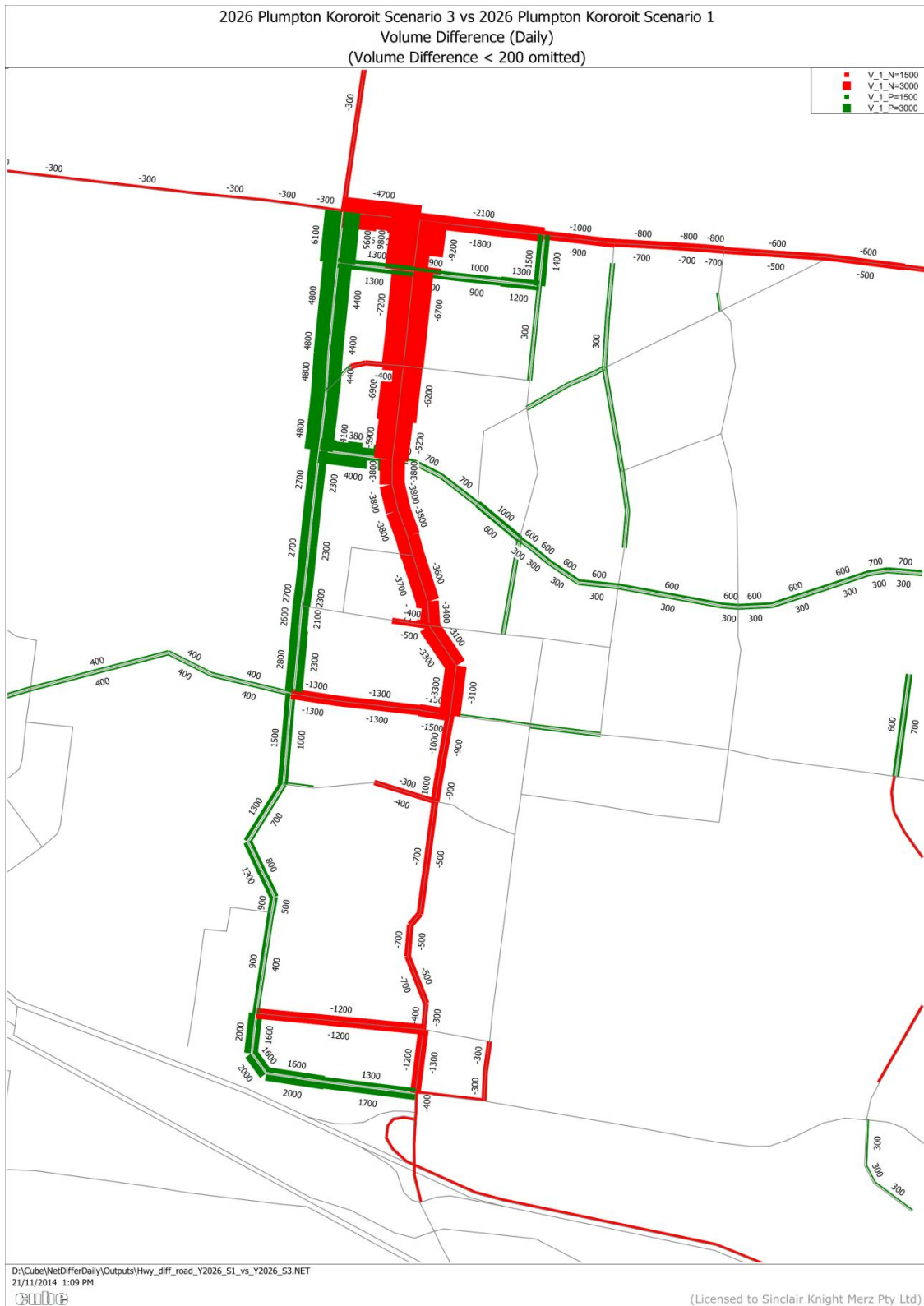


















2026 Plumpton Kororoit Scenario 3 vs 2026 Plumpton Kororoit Scenario 1
Volume/Capacity Ratio Changes (PM)

Red: Unrepresented to Connected

Appendix F. Scenario 4 Model Results

2026 Plumpton Kororoit Scenario 4
Daily Traffic Volumes



C:\Data\Cube\VTM2012_V120423_WGA_Plumpton_Kororoit\Base\Y2026 WGA v2\Y2026_PK\Y2026_PK_S1\S4\Daily_Net_Roads_S4.dat
11/12/2014 11:12 AM

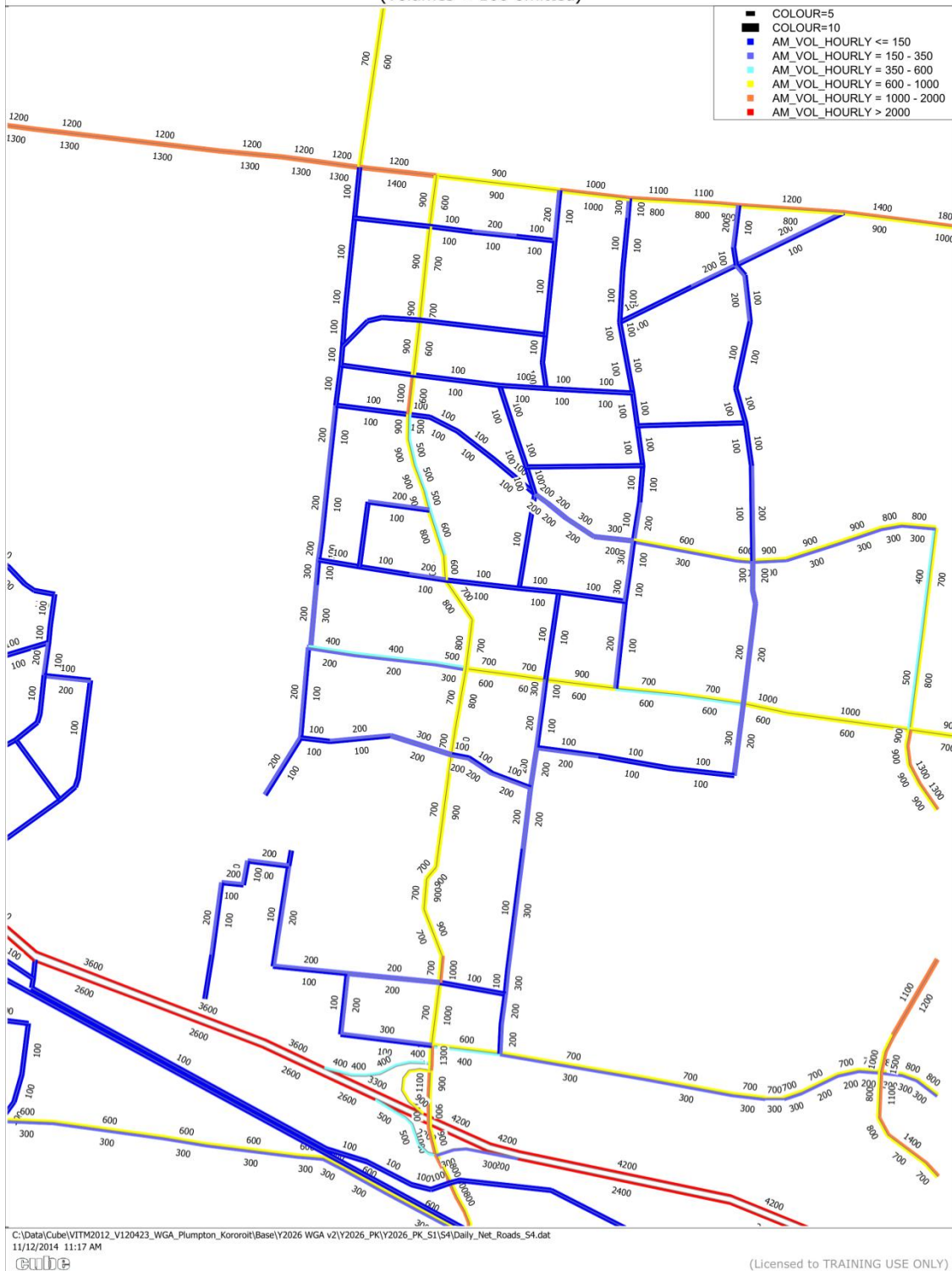
cube

(Licensed to TRAINING USE ONLY)

2026 Plumpton Kororoit Scenario 4
PM Peak Traffic Volumes (Hourly)
(Volumes < 100 omitted)



2026 Plumpton Kororoit Scenario 4
AM Peak Traffic Volumes (Hourly)
(Volumes < 100 omitted)







Plumpton Kororoit 2026 S4			Traffic Volumes																	
			AM (7am-9am)		IP (9am-3pm)		PM (3pm-6pm)		OP (6pm-7am)		Daily 24 Hour		AM (7am-9am)	IP (9am-3pm)	PM (3pm-6pm)	OP (6pm-7am)	Daily 24 Hour	V/C	V/C	
Type:	Location:	Flow:	Light	Heavy	Light	Heavy	Light	Heavy	Light	Heavy	Light	Heavy	All	All	All	All	All	AM	PM	
Plumpton Kororoit (N-S Roads)	Plumpton Road north of Tarleton Road	S BD	2	-	100	0	711	1	6	-	819	1	2	100	712	6	820	0.00	0.68	
		N BD	297	1	272	0	229	7	7	-	804	8	298	272	236	7	812	0.43	0.23	
	Plumpton Road south of Tarleton Road	S BD	125	0	466	0	608	0	191	0	1,390	1	125	466	608	191	1,390	0.18	0.58	
		N BD	340	0	575	0	340	0	213	0	1,467	1	340	575	340	213	1,468	0.49	0.32	
	Plumpton Road north of Taylors Road	S BD	572	4	1,095	8	769	1	681	1	3,117	15	577	1,103	770	682	3,132	0.83	0.73	
		N BD	371	1	1,018	10	884	6	686	2	2,959	18	371	1,028	890	688	2,978	0.53	0.85	
	Plumpton Road south of Taylors Road	S BD	139	0	395	0	577	0	245	0	1,356	1	139	396	577	245	1,357	0.20	0.55	
		N BD	346	0	493	0	361	0	-	-	1,199	1	346	493	361	-	1,200	0.50	0.34	
	Plumpton Road north of Neales Road	S BD	443	6	795	13	424	1	-	-	1,662	20	449	808	425	-	1,682	0.65	0.40	
		N BD	196	1	647	15	720	10	-	-	1,563	25	197	661	730	-	1,588	0.28	0.70	
	Hopkins Road south of Melton Highway	S BD	1,180	56	3,704	142	2,571	27	2,155	43	9,611	267	1,235	3,846	2,598	2,198	9,878	0.63	0.87	
		N BD	1,684	28	4,025	138	2,523	55	-	-	8,232	221	1,713	4,163	2,578	-	8,453	0.86	0.87	
	Hopkins Road immediately west of Major Town Center	S BD	1,201	84	4,682	203	3,234	20	2,679	55	11,796	362	1,285	4,885	3,254	2,734	12,159	0.66	1.08	
		N BD	1,996	26	5,431	217	2,746	84	2,754	66	12,926	392	2,021	5,648	2,829	2,820	13,319	1.02	0.96	
	Hopkins Road south of Tarleton Road	S BD	934	84	3,419	202	2,797	21	2,135	55	9,286	362	1,018	3,621	2,818	2,190	9,648	0.53	0.94	
		N BD	1,759	26	4,175	217	2,163	90	2,212	66	10,308	398	1,785	4,391	2,252	2,277	10,706	0.90	0.77	
	Hopkins Road north of Taylors Road	S BD	1,219	108	3,378	263	2,443	21	2,313	67	9,353	458	1,326	3,641	2,464	2,389	9,811	0.69	0.82	
		N BD	1,518	25	3,717	285	2,363	122	2,410	82	10,007	513	1,543	4,002	2,485	2,491	10,520	0.78	0.85	
	Hopkins Road south of Taylors Road	S BD	1,397	139	3,676	392	2,277	21	3,075	95	10,425	647	1,536	4,068	2,298	3,171	11,072	0.80	0.77	
		N BD	1,470	27	3,966	416	2,367	144	-	-	7,804	587	1,497	4,383	2,511	-	8,391	0.76	0.86	
	Hopkins Road north of Neales Road	S BD	1,851	147	4,789	420	2,367	25	4,141	104	13,148	696	1,998	5,209	2,392	4,245	13,844	1.04	0.80	
		N BD	1,314	29	4,648	446	2,725	153	4,425	128	13,112	755	1,343	5,094	2,878	4,552	13,867	0.68	0.98	
	Hopkins Road south of Neales Road	S BD	2,415	246	5,719	568	3,373	32	4,389	127	15,896	972	2,861	6,287	3,405	4,516	16,868	1.08	1.08	
		N BD	1,897	36	6,025	565	4,101	255	5,140	155	17,163	1,012	1,933	6,590	4,356	5,295	18,174	0.98	1.48	
	NS Road 1 south of Melton Highway	S BD	227	1	307	17	419	26	-	-	953	44	228	324	445	-	997	0.33	0.44	
		N BD	287	14	368	13	329	1	-	-	984	28	301	381	330	-	1,012	0.44	0.31	
	NS Road 1 north of Tarleton Road	S BD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		N BD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	NS Road 1 north of Taylors Road	S BD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		N BD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	NS Arterial 2 south of Melton Highway	S BD	236	1	907	16	942	11	596	6	2,682	34	237	924	953	602	2,716	0.34	0.91	
		N BD	595	7	1,076	14	529	1	594	4	2,795	25	602	1,091	530	598	2,821	0.86	0.50	
	NS Arterial 2 between Melton Highway and Tarleton Road	S BD	162	3	284	6	372	3	167	1	985	13	166	290	374	168	998	0.24	0.36	
		N BD	179	2	343	13	329	13	-	-	851	28	181	356	343	-	879	0.26	0.33	
	NS Arterial 2 north of Tarleton Road	S BD	359	11	682	15	436	1	388	3	1,864	29	370	697	437	390	1,894	0.54	0.42	
		N BD	208	1	654	25	544	28	386	3	1,791	57	209	679	572	390	1,848	0.30	0.56	
	NS Arterial 2 north of Taylors Road	S BD	212	11	541	23	497	1	346	4	1,596	39	223	564	498	350	1,635	0.33	0.48	
		N BD	352	3	570	36	355	25	359	4	1,637	70	356	607	381	364	1,707	0.51	0.37	
	Sinclair Road south of Taylors Road	S BD	251	0	786	4	894	2	494	1	2,425	7	251	790	896	494	2,431	0.36	0.85	
		N BD	577	1	935	3	646	1	527	0	2,685	6	578	938	647	528	2,691	0.83	0.62	
	Sinclair Road between Taylors Road and Neale Road	S BD	522	12	694	13	353	1	392	2	1,961	28	533	707	364	394	1,989	0.77	0.34	
		N BD	151	1	626	16	912	20	419	3	2,108	40	151	642	422	422	2,148	0.22	0.80	
	Sinclair Road south of Neale Road	S BD	488	11	622	13	133	0	48	0	1,290	25	499	635	133	48	1,316	0.72	0.13	
		N BD	39	0	559	16	971	21	192	2	1,762	39	40	575	992	194	1,801	0.06	0.95	

Plumpton Kororoit 2026 S4			Traffic Volumes																	
			AM (7am-9am)		IP (9am-3pm)		PM (3pm-6pm)		OP (6pm-7am)		Daily 24 Hour		AM (7am-9am)	IP (9am-3pm)	PM (3pm-6pm)	OP (6pm-7am)	Daily 24 Hour	V/C	V/C	
			Light	Heavy	Light	Heavy	Light	Heavy	Light	Heavy	Light	Heavy	All	All	All	All	All	AM	PM	
Plumpton Kororoit (E-W Roads)	Type:	Location:	Flow:																	
		Melton Highway west of Hopkins Road	E BD	2,243	65	6,409	164	5,239	44	3,231	36	17,122	309	2,308	6,573	5,283	3,267	17,431	0.59	0.88
			W BD	2,694	36	7,244	155	4,929	66	3,412	35	18,279	293	2,730	7,399	4,995	3,447	18,572	0.69	0.84
		Melton Highway east of NS Arterial 2	E BD	2,116	64	4,884	171	3,654	54	2,171	29	12,825	318	2,179	5,055	3,707	2,200	13,142	0.55	0.62
			W BD	1,643	44	5,170	172	3,893	84	2,141	26	12,848	326	1,687	5,342	3,978	2,167	13,173	0.43	0.67
		EW Road 2 running through Major Town Center	E BD	-	-	-	-	38	0	-	-	38	0	-	-	38	-	38	-	0.04
			W BD	3	-	-	-	4	-	-	-	7	-	3	-	4	-	7	0.00	0.00
		Tarleton Road overpass of OMR west of Plumpton Road	E BD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			W BD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Tarleton Road east of Hopkins Road	E BD	228	0	1,009	1	717	1	421	0	2,374	2	228	1,010	718	421	2,376	0.13	0.27
			W BD	278	0	1,066	1	649	2	397	0	2,390	3	278	1,067	650	397	2,393	0.15	0.24
		Tarleton Road east of NS Arterial 2	E BD	1,263	28	1,494	16	1,231	5	747	2	4,734	51	1,291	1,509	1,236	749	4,786	0.73	0.46
			W BD	537	5	1,403	19	2,041	54	720	3	4,701	80	542	1,422	2,094	723	4,781	0.30	0.79
		Taylors Road west of Plumpton Road	E BD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			W BD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Taylors Road between Hopkins Road and Sinclairs Road	E BD	1,434	13	3,832	145	2,150	34	2,450	41	9,866	233	1,447	3,978	2,184	2,491	10,099	0.73	0.73
			W BD	1,221	38	3,711	143	2,374	19	2,203	32	9,510	231	1,259	3,854	2,393	2,234	9,741	0.64	0.80
		Taylors Road east of Sinclairs Road	E BD	1,472	15	4,045	120	2,060	10	2,612	32	10,189	178	1,487	4,165	2,069	2,645	10,367	0.75	0.69
			W BD	1,092	22	3,751	141	2,374	36	2,371	27	9,588	226	1,114	3,892	2,410	2,398	9,813	0.56	0.81
		EW Road 4 between Plumpton Road and Hopkins Road	E BD	580	1	1,265	5	728	2	-	-	2,572	8	581	1,270	729	-	2,580	0.83	0.70
			W BD	463	1	1,125	3	893	1	-	-	2,481	5	464	1,128	894	-	2,485	0.66	0.65
		Neale Road west of Hopkins Road	E BD	596	5	996	4	346	1	509	1	2,446	10	601	1,000	346	509	2,456	0.86	0.33
			W BD	151	0	726	1	948	7	534	0	2,359	9	151	728	955	534	2,368	0.22	0.91
	Neale Road east of Sinclairs Road	E BD	1,445	16	1,465	106	1,236	96	740	28	4,887	246	1,461	1,571	1,333	768	5,133	0.82	0.51	
		W BD	533	92	896	134	2,308	27	443	25	3,970	278	525	821	2,335	467	4,248	0.37	0.87	

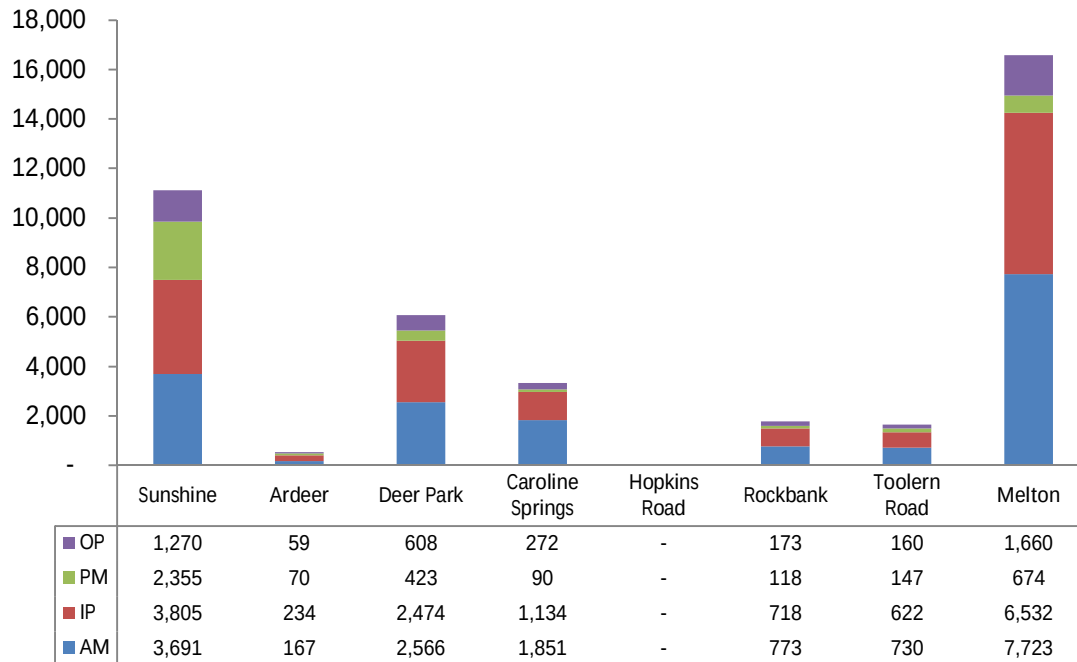
Plumpton Kororoit 2026 S4				Traffic Volumes																	
				AM (7am-9am)		IP (9am-3pm)		PM (3pm-6pm)		OP (6pm-7am)		Daily 24 Hour		AM (7am-9am)	IP (9am-3pm)	PM (3pm-6pm)	OP (6pm-7am)	Daily 24 Hour	V/C	V/C	
				Light	Heavy	Light	Heavy	Light	Heavy	Light	Heavy	Light	Heavy	Light	Heavy	All	All	All	All	All	AM
Western Freeway Interchange	Hopkins Road	SE BD	Off	738	19	3,213	65	1,934	22	2,241	13	8,126	118	757	3,277	1,956	2,254	8,244	0.21	0.36	
		SE BD	On	1,710	68	3,380	284	1,452	25	2,444	62	8,987	439	1,778	3,665	1,477	2,506	9,426	0.50	0.28	
		NW BD	Off	544	29	2,033	351	2,228	71	2,521	77	7,325	527	572	2,383	2,299	2,598	7,852	0.16	0.43	
		NW BD	On	909	20	2,665	50	788	2	1,560	8	5,922	80	929	2,715	790	1,569	6,002	0.02	0.01	
OMR Interchange	Taylors Road	NE BD	Off	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		NE BD	On	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		SW BD	Off	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		SW BD	On	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Melton Highway	NE BD	Off	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		NE BD	On	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		SW BD	Off	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		SW BD	On	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Western Freeway / OMR Freeway to Freeway Interchange	OMR North Leg	Left Turn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Through	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Right Turn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Western Fwy East Leg	Left Turn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Through	4,714	436	16,308	1,544	10,883	490	12,083	284	43,988	2,755	5,149	17,852	11,374	12,368	46,743	0.67	0.97		
		Right Turn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	OMR South Leg	Left Turn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Through	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Right Turn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Western Fwy West Leg	Left Turn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Through	6,790	416	16,695	1,509	9,494	497	12,942	295	45,921	2,717	7,206	18,203	9,991	13,237	48,637	0.93	0.85		
		Right Turn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Scenario 4 (2026)

Bus Boardings (per direction) by route						
Description	Bus Route	AM	IP	PM	OP	DAILY
SUNSHINE - MELTON	456	57	84	129	65	335
SYDENHAM RS - CAROLINE SPRINGS (VIA TAYLORS HILL WEST)	C1069	22	19	81	13	135
CAROLINE SPRINGS TOWN CENTRE - CAROLINE SPRINGS RS	C1102	-	-	-	-	-
TARNEIT RS - PLUMPTON	C1103	-	-	-	-	-
CAROLINE SPRINGS - TOOLERN RS (VIA ROCKBANK RS)	C1104	-	-	-	-	-
SYDENHAM RS - PLUMPTON (VIA TAYLORS HILL) (COMPLETE)	C1117	36	68	276	64	443
ROCKBANK RS - ROCKBANK WEST (VIA PLUMPTON)	C1118	-	-	-	-	-
SYDENHAM RS - CAROLINE SPRINGS RS (VIA PLUMPTON & EASTERN ROCKBANK)	LD123	74	127	398	150	748
SYDENHAM - MELTON (VIA NORTHERN TOOLERN)	SM6	-	-	-	-	-
ST ALBANS - ROCKBANK RS	SM24	97	158	189	108	554
TOTAL		188	299	884	291	1,661
Description	Bus Route	AM	IP	PM	OP	DAILY
MELTON - SUNSHINE	2456	74	139	79	42	334
CAROLINE SPRINGS - SYDENHAM RS (VIA TAYLORS HILL WEST)	2C1069	26	16	32	4	78
CAROLINE SPRINGS RS - CAROLINE SPRINGS TOWN CENTRE	2C1102	-	-	-	-	-
PLUMPTON - TARNEIT RS	2C1103	-	-	-	-	-
TOOLERN RS - CAROLINE SPRINGS (VIA ROCKBANK RS)	2C1104	-	-	-	-	-
PLUMPTON - SYDENHAM RS (VIA TAYLORS HILL) (COMPLETE)	2C1117	197	130	52	31	410
ROCKBANK WEST - ROCKBANK RS (VIA PLUMPTON)	2C1118	-	-	-	-	-
CAROLINE SPRINGS RS - SYDENHAM RS (VIA PLUMPTON & EASTERN ROCKBANK)	2LD123	355	257	92	85	789
MELTON - SYDENHAM (VIA NORTHERN TOOLERN)	2SM6	-	-	-	-	-
ROCKBANK RS - ST ALBANS	2SM24	124	246	142	66	577
TOTAL		651	543	254	162	1,611
Bus Boardings (2 way volumes)						
Description	Bus Route	AM	IP	PM	OP	DAILY
SUNSHINE - MELTON	456	131	224	208	107	669
SYDENHAM RS - CAROLINE SPRINGS (VIA TAYLORS HILL WEST)	C1069	48	36	113	16	213
CAROLINE SPRINGS TOWN CENTRE - CAROLINE SPRINGS RS	C1102	-	-	-	-	-
TARNEIT RS - PLUMPTON	C1103	-	-	-	-	-
CAROLINE SPRINGS - TOOLERN RS (VIA ROCKBANK RS)	C1104	-	-	-	-	-
SYDENHAM RS - PLUMPTON (VIA TAYLORS HILL) (COMPLETE)	C1117	232	198	327	94	852
ROCKBANK RS - ROCKBANK WEST (VIA PLUMPTON)	C1118	-	-	-	-	-
SYDENHAM RS - CAROLINE SPRINGS RS (VIA PLUMPTON & EASTERN ROCKBANK)	LD123	429	384	489	235	1,537
SYDENHAM - MELTON (VIA NORTHERN TOOLERN)	SM6	-	-	-	-	-
ST ALBANS - ROCKBANK RS	SM24	221	404	331	174	1,131
TOTAL		839	842	1,138	453	3,272
Train Boardings						
Train Line	Station	AM	IP	PM	OP	DAILY
Melton Line	Sunshine	3,691	3,805	2,355	1,270	11,122
	Ardeer	167	234	70	59	531
	Deer Park	2,566	2,474	423	608	6,071
	Caroline Springs	1,851	1,134	90	272	3,347
	Hopkins Road	-	-	-	-	-
	Rockbank	773	718	118	173	1,782
	Toolern Road	730	622	147	160	1,659
	Melton	7,723	6,532	674	1,660	16,590
TOTAL		17,501	15,519	3,878	4,203	41,101

Scenario 4 (2026)

Melton Line Train Station - Boardings by Time Period



Two-way Bus Boardings - Time Period

