

Route Name and location		Observed Cummulative Travel Times (min)									Modelled Cumulative Travel Times (min)			Difference Mod-Obs (min)		
		AM			IP			PM			AM	IP	PM	AM	IP	PM
		Min	Ave	Max	Min	Ave	Max	Min	Ave	Max						
1S	Waikanae Railway Station to Wellington Airport	46	55	68	30	31	33	29	33	37	#REF!	#REF!	#REF!	-15.5	0.4	0.9
1N	Wellington Airport to Waikanae Railway Station	28	29	30	27	28	30	30	33	39	#REF!	#REF!	#REF!	-1.3	-0.4	6.2
2S	Upper Hutt Rail Station to WLG Rail Station via Old Hutt Rd	30	40	54	17	19	21	21	23	27	#REF!	#REF!	#REF!	-6.3	1.0	-0.6
2N	WLG Rail Station to Upper Hutt Rail Station via Old Hutt Rd	20	23	26	24	26	28	23	30	38	#REF!	#REF!	#REF!	-0.1	-4.5	6.4
6N	Wainuiomata Rd to Hutt Rd Northbound	16	18	19	12	12	13	13	13	14	#REF!	#REF!	#REF!	-0.2	1.1	2.4
6S	Hutt Rd to Wainuiomata Rd Southbound	25	28	32	13	14	14	13	17	21	#REF!	#REF!	#REF!	-10.7	0.7	3.2
The Esplanade E	Hutt Rd to Randwick Rd	4	5	6	4	5	7	5	9	12	#REF!	#REF!	#REF!	0.8	0.4	-1.4
The Esplanade W	Randwick Rd to Hutt Rd	4	9	16	4	4	5	4	4	5	#REF!	#REF!	#REF!	-2.2	0.6	1.5
SH58 E	SH1 to SH2	13	14	15	12	14	15	13	14	14	#REF!	#REF!	#REF!	0.4	-1.5	-0.3
SH58 W	SH2 to SH1	13	14	16	13	15	17	13	14	15	#REF!	#REF!	#REF!	0.2	-2.0	-0.6

<100
-99 to 0

0-100
>100

Source Sheet	Route Name and location	Checkpoint - Checkpoint (segments)	Observed Distance	Observed Cumulative Distance (m)	Model Distance (m)	Model Cumulative Distance (m)	Observed Travel Times (min)									Observed Cumulative Travel Times (min)									Modelled Cumulative Travel Times (min)			TT Difference Mod-Obs (min)					
							Ave Travel Time (min)			Min Travel Time (min)			Max Travel Time (min)			Ave Travel Time (min)			Min Travel Time (min)			Max Travel Time (min)			AM	IP	PM	AM	IP	PM	AM	IP	PM
							AM	IP	PM	AM	IP	PM	AM	IP	PM	AM	IP	PM	AM	IP	PM	AM	IP	PM	AM	IP	PM	AM	IP	PM	AM	IP	PM
WTSM surveys	Waikanae Railway Station to Wellington Airport	MacKays Railway Crossing - Beach Rd (Paekakariki)	3397	3397	2862	2862	3.3	2.4	2.4	2.4	2.4	2.3	4.9	2.4	2.4	3.3	2.4	2.4	2.4	2.4	2.3	4.9	2.4	2.4	2.7	2.3	2.3	-0.6	-0.1	-0.1			
		Beach Rd (Paekakariki) - Wairaka Rd (Pukerua Bay)	7849	11246	7814	10676	8.2	6.5	6.4	6.7	6.5	6.3	9.7	6.6	6.7	11.5	8.9	8.8	9.1	8.9	8.6	14.6	9.0	9.1	10.6	9.0	9.1	-0.9	0.0	0.3			
		Wairaka Rd (Pukerua Bay) - Airlie Rd (by Whenua Tapu Cemetery)	2518	13764	2532	13208	2.0	2.0	1.9	1.9	1.9	1.9	2.1	2.0	2.0	13.5	10.9	10.8	11.0	10.8	10.5	16.7	11.0	11.0	13.2	11.0	11.2	-0.3	0.1	0.4			
		Airlie Rd (by Whenua Tapu Cemetery) - Grays Rd (Plimmerton)	3545	17310	3587	16795	2.5	2.8	2.7	2.5	2.5	2.5	2.6	3.3	3.1	16.0	13.7	13.5	13.4	13.3	13.0	19.3	14.3	14.2	15.6	13.4	13.6	-0.4	-0.3	0.1			
		Grays Rd (Plimmerton) - Paremata Roundabout	2370	19680	2338	19133	3.2	3.2	4.5	3.0	2.8	2.7	3.3	3.6	5.8	19.2	17.0	18.0	16.5	16.1	15.7	22.6	17.9	20.0	20.9	16.9	17.1	1.7	-0.1	-0.9			
		Paremata Roundabout - Whitford Brown Ave	2110	21790	2138	21269	1.9	1.5	1.9	1.5	1.4	1.5	2.3	1.6	2.5	21.2	18.5	19.9	17.9	17.5	17.2	24.8	19.4	22.5	22.5	18.4	18.7	1.3	-0.1	-1.2			
		Whitford Brown Ave - Porirua (Mungavin Ave) SBD off ramp	1851	23641	1810	23079	1.2	1.2	1.2	1.1	1.1	1.2	1.3	1.2	1.3	22.4	19.6	21.1	19.0	18.6	18.3	26.2	20.7	23.8	24.1	19.8	20.4	1.7	0.2	-0.8			
		Porirua (Mungavin Ave) SBD off ramp - Tawa (Takapu Rd) SBD	5721	29363	5672	28751	4.9	3.6	3.6	3.7	3.5	3.5	7.2	3.7	3.6	27.3	23.2	24.7	22.7	22.1	21.9	33.3	24.4	27.4	27.9	23.2	23.7	0.6	-0.1	-1.0			
		Tawa (Takapu Rd) SBD off ramp - Westchester Rd SBD off ramp	2323	31866	2311	31062	6.7	1.8	1.5	4.4	1.4	1.5	10.2	2.4	1.6	34.0	25.1	26.2	27.1	23.5	23.3	43.5	26.8	29.0	29.6	24.5	25.1	-4.4	-0.5	-1.1			
		Westchester Rd SBD off ramp - Johnsonville SBD off ramp	2190	33876	2294	33356	3.9	1.4	1.5	3.3	1.4	1.4	4.6	1.6	1.5	37.8	26.5	27.7	30.4	24.9	24.7	48.1	28.4	30.5	31.5	25.9	26.5	-6.3	-0.6	-1.2			
		Johnsonville SBD off ramp - Newlands I/C SBD on ramp	1165	35041	1367	34723	3.0	0.9	0.9	2.1	0.8	0.8	3.7	0.9	1.0	40.8	27.4	28.6	32.4	25.7	25.5	51.8	29.2	31.4	32.5	26.8	27.4	-8.3	-0.6	-1.2			
		Newlands I/C SBD on ramp - SH1 / SH2 merge	3059	38106	2844	37567	10.3	2.3	2.4	9.9	2.2	2.2	10.7	2.4	2.7	51.1	29.6	31.0	42.3	27.9	27.7	62.5	31.6	34.1	35.0	28.5	29.2	-16.0	-1.1	-1.8			
		SH1 / SH2 merge - Aotea Quay SBD off ramp	2672	40772	2527	42794	3.9	1.7	2.2	3.2	1.7	1.7	5.2	1.7	2.9	55.0	31.3	33.2	45.5	29.5	29.4	67.6	33.3	37.1	39.5	31.7	34.1	-15.5	0.4	0.9			
		1N	Wellington Airport to Waikanae Railway Station	SH1 / SH2 diverge - Newlands I/C NBD off ramp	2069	2069	2001	2001	1.5	1.5	1.7	1.5	1.4	1.6	1.5	1.6	1.7	1.5	1.5	1.7	1.5	1.4	1.6	1.5	1.6	1.7	1.2	1.2	1.6	-0.3	-0.4	0.0	
				Newlands I/C NBD off ramp - Johnsonville NBD on ramp	1865	3034	1966	3967	1.4	1.3	1.4	1.3	1.3	1.4	1.4	1.4	1.4	2.9	2.8	3.1	2.8	2.7	3.0	3.0	2.9	3.2	2.4	2.4	3.2	-0.5	-0.4	0.2	
Johnsonville NBD on ramp - Westchester Rd NBD on ramp	2205			6139	2286	6253	1.4	1.4	1.4	1.4	1.3	1.4	1.5	1.4	1.5	4.3	4.2	4.5	4.2	4.0	4.3	4.4	4.3	4.6	3.8	3.8	5.5	-0.5	-0.4	1.1			
Westchester Rd NBD on ramp - Tawa (Takapu Rd) NBD on ramp	2367			8506	2362	8615	1.5	1.5	1.5	1.5	1.4	1.5	1.6	1.5	1.6	5.8	5.6	6.0	5.7	5.4	5.8	6.0	5.8	6.2	5.2	5.2	8.0	-0.7	-0.4	2.0			
Tawa (Takapu Rd) NBD on ramp - Porirua (Mungavin Ave) NBD on ramp	5729			14235	5626	14241	3.6	3.5	3.8	3.6	3.4	3.6	3.6	3.6	3.9	9.4	9.1	9.7	9.3	8.8	9.4	9.6	9.4	10.1	8.5	8.5	12.2	-0.9	-0.6	2.5			
Porirua (Mungavin Ave) NBD on ramp - Whitford Brown Ave off ramp	1585			15820	1512	15753	1.0	1.0	1.3	1.0	1.0	1.0	1.1	1.1	1.7	10.5	10.1	11.0	10.2	9.8	10.4	10.7	10.5	11.8	9.4	9.5	14.0	-1.0	-0.7	3.0			
Whitford Brown Ave off ramp - Paremata Roundabout	2328			18148	2367	18120	1.6	1.5	1.6	1.6	1.5	1.5	1.7	1.6	1.7	12.1	11.7	12.6	11.8	11.2	12.0	12.4	12.1	13.5	10.9	10.9	15.8	-1.2	-0.7	3.2			
Paremata Roundabout - Grays Rd (Plimmerton)	2411			20559	2421	20541	3.2	2.9	3.4	2.9	2.6	3.3	3.6	3.1	3.6	15.3	14.6	16.0	14.7	13.9	15.3	15.9	15.2	17.1	14.3	14.5	20.1	-1.0	-0.1	4.0			
Grays Rd (Plimmerton) - Airlie Rd (by Whenua Tapu Cemetery)	3158			23718	3587	24128	2.3	2.3	2.3	2.2	2.2	2.2	2.3	2.5	2.6	17.6	16.9	18.3	16.9	16.0	17.4	18.2	17.7	19.7	16.7	16.9	22.6	-0.8	0.0	4.2			
Airlie Rd (by Whenua Tapu Cemetery) - Wairaka Rd (Pukerua Bay)	2918			26635	2532	26660	2.3	2.3	3.9	2.2	2.1	3.0	2.4	2.4	4.8	19.9	19.2	22.2	19.1	18.1	20.4	20.6	20.1	24.5	18.8	19.0	26.6	-1.0	-0.2	4.3			
Wairaka Rd (Pukerua Bay) - Beach Rd (Paekakariki)	7847			34483	7798	34458	6.7	6.7	8.1	6.5	6.6	6.7	7.0	6.9	10.8	26.6	25.9	30.3	25.6	24.7	27.1	27.7	27.0	35.2	25.5	25.7	36.4	-1.1	-0.2	6.1			
Beach Rd (Paekakariki) - McKays Railway Crossing	3459	37941	3231	37089	2.5	2.5	3.1	2.5	2.4	2.6	2.5	2.7	4.0	29.1	28.4	33.5	28.1	27.0	29.7	30.2	29.7	39.2	27.8	28.0	39.7	-1.3	-0.4	6.2					
2S	Upper Hutt Rail Station to WLG Rail Station via Old Hutt Rd	Main Street/Gibbons Street - Gibbons Street	969	969	982	982	1.6	1.4	1.6	1.5	1.2	1.5	1.8	1.7	1.8	1.6	1.4	1.6	1.5	1.2	1.5	1.8	1.7	1.8	1.3	1.3	1.3	-0.3	-0.1	-0.3			
		Gibbons Street - Moonshine Road (Trentham Exit)	2435	3403	2461	3443	4.3	1.6	2.0	2.2	1.4	1.9	8.2	1.8	2.1	5.9	3.0	3.6	3.7	2.6	3.4	10.0	3.5	3.9	4.4	3.4	3.8	-1.5	0.4	0.2			
		Trentham exit (Moonshine Road) - SH2/Fergusson Dr	4415	7818	4411	7854	4.7	3.3	3.5	3.7	2.9	3.2	6.7	3.5	3.8	10.6	6.3	7.1	7.5	5.6	6.6	16.6	6.9	7.7	8.4	6.1	6.7	-2.2	-0.1	-0.5			
		Fergusson Dr - SH58	2642	10460	2645	10499	2.3	1.9	1.9	2.0	1.7	1.9	2.5	2.0	2.1	12.9	8.1	9.1	9.5	7.3	8.5	19.1	8.9	9.8	10.7	8.0	8.9	-2.2	-0.1	-0.1			
		SH58 - Fairway Drive	4903	15363	5332	15831	4.9	3.1	4.0	3.9	3.0	3.3	6.2	3.1	4.6	17.8	11.2	13.1	13.3	10.3	11.8	25.3	12.0	14.4	14.5	11.3	12.2	-3.4	0.0	-0.9			
		Fairway Drive - Melling Link	2490	17853	2478	18309	3.7	2.1	2.8	2.6	1.6	2.2	4.7	2.7	3.5	21.6	13.3	15.8	15.9	11.8	13.9	30.0	14.7	17.9	17.6	13.8	15.1	-4.0	0.5	-0.7			
		Melling Link - Dowse Drive	2259	20113	2069	20378	2.6	1.4	1.7	2.0	1.3	1.7	3.5	1.4	1.8	24.2	14.7	17.6	17.9	13.2	15.6	33.5	16.1	19.8	19.8	15.7	17.2	-4.4	1.0	-0.3			
		Dowse Drive - Korokoro Road	1331	21443	1348	21726	5.1	0.8	1.0	4.3	0.8	0.9	5.8	0.9	1.0	29.2	15.5	18.5	22.1	13.9	16.5	39.2	17.0	20.7	20.7	16.5	18.1	-8.6	1.1	-0.5			
		Korokoro Road - Petone SBD on ramp	1123	22566	1380	23106	3.6	0.8	1.0	2.8	0.8	0.9	5.0	0.9	1.1	32.8	16.3	19.5	24.9	14.7	17.4	44.2	17.8	21.8	27.7	17.4	18.9	-5.1	1.1	-0.6			
		Petone SBD on ramp - Ngauranga Gorge SBD Off ramp	4311	26877	4145	27251	6.8	2.7	3.9	4.9	2.6	3.1	9.3	2.8	5.0	39.7	19.0	23.4	29.8	17.2	20.5	53.5	20.6	26.8	33.4	19.9	22.8	-6.3	1.0	-0.6			
		Ngauranga Gorge SBD Off ramp - Hutt Rd / Onslow Rd	1728	28605	507	27758	2.3	1.4	1.9	2.1	1.4	1.8	2.4	1.5	2.2	41.9	20.4	25.3	31.9	18.6	22.3	55.9	22.0	29.0	34.1	20.4	23.3	-7.9	-0.1	-2.0			
2N	WLG Rail Station to Upper Hutt Rail Station via Old Hutt Rd	Hutt Rd / Onslow Rd - Ngauranga Gorge SBD Off ramp	2176	2176	1719	1719	2.5	3.2	5.1	2.1	2.5	2.3	2.8	3.6	8.3	2.5	3.2	5.1	2.1	2.5	2.3	2.8	3.6	8.3	2.3	2.1	2.4	-0.2	-1.0	-2.7			
		Ngauranga Gorge SBD Off ramp - Petone SBD on ramp	3833	6008	4790	6509	2.5	2.9	3.3	2.4	2.8	2.4	2.6	2.9	4.1	4.9	6.0	8.5	4.5	5.3	4.7	5.4	6.6	12.4	5.8	5.1	11.9	0.9	-0.9	3.4			
		Petone SBD on ramp - Korokoro Road	1125	7134	1380	7889	0.9	0.9	0.9	0.8	0.9	0.9	0.9	1.0	0.9	5.8	7.0	9.3	5.3	6.2	5.6	6.3	7.6	13.3	6.7	6.0	12.9	0.9	-1.0	3.6			
		Korokoro Road - Dowse Drive	1327	8461	686	8575	0.8																										

6S	Hutt Rd to	Dowse Drive - Hutt Rd / The Esplanade RAB	1985	1985	2087	2087	17.5	2.6	2.9	15.1	2.4	2.8	21.4	2.7	3.0	17.5	2.6	2.9	15.1	2.4	2.8	21.4	2.7	3.0	5.7	3.1	6.3	-11.8	0.6	3.4	
6S	Wainuiomata Rd	Hutt Rd / The Esplanade RAB - Waione St / Seaview Rd	3603	5648	3653	5740	5.1	5.1	8.2	4.7	4.6	4.7	5.4	5.6	12.3	22.6	7.7	11.0	19.8	7.0	7.5	26.7	8.3	15.3	11.7	8.7	13.6	-10.9	1.0	2.6	
6S	Southbound	Waione St / Seaview Rd - Parkside Rd / Bell Rd	1149	6707	1179	6919	1.5	1.5	1.6	1.4	1.4	1.4	1.6	1.6	1.8	24.1	9.2	12.6	21.2	8.4	8.9	28.3	9.9	17.1	13.4	10.4	15.9	-10.7	1.1	3.3	
6S		Parkside Rd / Bell Rd - Gracefield Rd / Wainuiomata Rd	1252	8049	1211	8130	1.6	1.6	1.5	1.4	1.6	1.4	1.7	1.6	1.7	25.7	10.8	14.1	22.6	10.0	10.3	29.9	11.5	18.7	15.0	12.0	17.6	-10.6	1.1	3.4	
6S		Gracefield Rd / Wainuiomata Rd - Wainuiomata Rd / Parkway	2903	10952	3028	11158	2.3	2.7	2.5	2.3	2.6	2.4	2.4	2.7	2.6	28.0	13.5	16.6	24.9	12.6	12.7	32.3	14.3	21.3	17.3	14.2	19.8	-10.7	0.7	3.2	
TeamTraffic																															
Surveys	The Esplanade E	Hutt Rd to	Hutt Rd/Esplanade RAB - Victoria St	880	880	840	840	1.4	1.2	2.5	1.2	1.1	1.1	1.9	1.3	3.5	1.4	1.2	2.5	1.2	1.1	1.1	1.9	1.3	3.5	1.3	1.2	1.4	0.0	0.1	-1.1
	The Esplanade E	Randwick Rd	Victoria St - Buick St	600	1570	701	1541	0.9	0.9	2.3	0.8	0.8	1.1	0.9	1.8	2.8	2.3	2.1	4.8	2.0	1.9	2.2	2.8	3.1	6.3	2.4	2.3	2.6	0.2	0.2	-2.2
	The Esplanade E		Buick St - Cuba St	280	1850	286	1827	0.6	0.7	1.3	0.3	0.3	0.9	1.1	1.4	2.0	2.9	2.8	6.1	2.3	2.2	3.1	3.9	4.5	8.4	2.9	2.7	3.1	0.0	-0.1	-3.0
	The Esplanade E		Cuba St - Kirkcaldy St	810	2660	825	2652	1.1	1.1	1.2	1.0	1.0	1.0	1.2	1.3	1.3	4.0	3.9	7.3	3.3	3.1	4.1	5.2	5.8	9.6	4.6	4.2	5.3	0.6	0.2	-2.0
	The Esplanade E		Kirkcaldy St - Randwick Rd	950	3610	972	3624	1.2	1.2	1.3	1.1	1.1	1.1	1.3	1.6	1.9	5.2	5.1	8.6	4.4	4.2	5.3	6.4	7.4	11.6	6.0	5.5	7.2	0.8	0.4	-1.4
	The Esplanade V	Randwick Rd to	Randwick Rd - Kirkcaldy St	950	950	972	972	1.2	1.2	1.2	1.1	1.1	1.1	1.4	1.4	1.5	1.2	1.2	1.2	1.1	1.1	1.1	1.4	1.4	1.5	1.6	1.3	1.5	0.4	0.1	0.3
	The Esplanade V	Hutt Rd	Kirkcaldy St - Cuba St	810	1760	825	1797	1.1	1.1	1.1	0.9	1.0	1.0	1.3	1.3	1.2	2.3	2.3	2.3	2.1	2.1	2.1	2.6	2.7	2.6	3.2	2.6	3.0	0.9	0.3	0.7
	The Esplanade V		Cuba St - Buick St	280	2040	286	2083	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.5	2.7	2.7	2.6	2.4	2.4	2.4	3.0	3.1	3.1	3.7	3.1	3.6	1.1	0.4	0.9
	The Esplanade V		Buick St - Victoria St	690	2730	701	2784	0.9	0.9	0.9	0.8	0.8	0.8	1.4	1.0	1.1	3.6	3.5	3.5	3.2	3.1	3.2	4.4	4.2	4.2	4.8	4.1	4.8	1.2	0.6	1.3
	The Esplanade V		Victoria St - Hutt Rd/Esplanade RAB	880	3610	840	3624	5.8	1.0	1.0	1.0	0.9	0.9	11.6	1.1	1.0	9.4	4.5	4.5	4.2	4.0	4.2	16.0	5.3	5.2	7.2	5.1	6.0	-2.2	0.6	1.5
SH58 E	SH1 to SH2	SH1 - Postgate Dr	1480	1480	1433	1433	1.9	2.5	2.1	1.8	2.0	1.9	2.0	2.7	2.3	1.9	2.5	2.1	1.8	2.0	1.9	2.0	2.7	2.3	1.9	1.9	2.2	0.0	-0.6	0.1	
SH58 E		Postgate Dr - James Cook Dr	2070	3550	2043	3476	2.4	2.4	2.3	2.4	2.2	2.3	2.5	2.6	2.4	4.3	4.9	4.4	4.2	4.2	4.1	4.5	5.3	4.7	3.8	3.7	4.3	-0.6	-1.1	-0.1	
SH58 E		James Cook Dr - Paekakariki Hill Rd	1550	5100	1525	5001	1.7	1.5	1.6	1.5	1.4	1.5	2.1	1.7	1.7	6.0	6.4	5.9	5.7	5.6	5.6	6.6	7.0	6.4	5.2	5.1	5.8	-0.8	-1.2	-0.2	
SH58 E		Paekakariki Hill Rd - Moonshine Hill Rd	3620	8720	3639	8640	2.7	2.6	2.8	2.6	2.5	2.7	2.8	2.7	2.8	8.7	9.0	8.7	8.3	8.1	8.3	9.4	9.7	9.2	8.6	7.9	8.8	-0.1	-1.1	0.1	
SH58 E		Moonshine Hill Rd - Mount Cecil Rd	3290	12010	3297	11937	2.5	2.4	2.4	2.3	2.2	2.3	2.8	2.7	2.5	11.2	11.4	11.1	10.6	10.3	10.7	12.2	12.4	11.7	11.8	10.4	11.4	0.7	-1.0	0.3	
SH58 E		Mount Cecil Rd - SH2	2940	14950	2374	14311	2.5	2.4	2.5	2.4	2.2	2.4	2.7	2.5	2.6	13.7	13.7	13.7	13.0	12.4	13.0	14.9	14.8	14.3	14.2	12.2	13.4	0.4	-1.5	-0.3	
SH58 W	SH2 to SH1	SH2 - Mount Cecil Rd	2940	2940	2981	2981	2.5	2.6	2.6	2.4	2.5	2.5	2.8	2.9	2.7	2.5	2.6	2.6	2.4	2.5	2.5	2.8	2.9	2.7	2.6	2.2	2.5	0.1	-0.3	-0.1	
SH58 W		Mount Cecil Rd - Moonshine Hill Rd	3290	6230	3297	6278	2.4	2.4	2.4	2.4	2.2	2.3	2.5	2.6	2.6	4.9	5.0	5.0	4.7	4.7	4.8	5.2	5.5	5.2	5.4	4.7	5.2	0.5	-0.3	0.2	
SH58 W		Moonshine Hill Rd - Paekakariki Hill Rd	3620	9850	3639	9917	2.7	2.8	2.8	2.7	2.5	2.5	2.7	3.1	3.0	7.6	7.8	7.8	7.4	7.2	7.3	8.0	8.6	8.3	8.6	7.5	8.1	1.0	-0.3	0.4	
SH58 W		Paekakariki Hill Rd - James Cook Dr	1550	11400	1525	11442	1.5	1.5	1.6	1.4	1.5	1.5	1.6	1.8	1.6	9.1	9.3	9.3	8.9	8.6	8.8	9.6	10.4	9.9	10.1	8.9	9.6	1.0	-0.4	0.2	
SH58 W		James Cook Dr - Postgate Dr	2070	13470	2043	13485	3.0	3.2	2.6	2.3	2.3	2.3	4.4	4.7	3.2	12.1	12.5	11.9	11.1	10.9	11.1	14.0	15.1	13.1	12.3	10.7	11.4	0.2	-1.8	-0.5	
SH58 W		Postgate Dr - SH1	1480	14950	1433	14918	2.0	2.1	2.0	2.0	1.8	1.9	2.1	2.3	2.0	14.1	14.6	13.9	13.1	12.8	13.1	16.0	17.4	15.1	14.3	12.6	13.3	0.2	-2.0	-0.6	

Route	Direction	Checkpoint [- next Checkpoint]	Model nodes			ID	Match	empty test	counter	Distance between Checkpoints	Cumulative Distance between Checkpoints	Model Distances between nodes
										0		
SH58 W	SH2 to SH1	SH2 - Mount Cecil Rd	20272	20069		20272_20069	7465	1	1	2981	2981	50
SH58 W	SH2 to SH0		20272	20069	1219	20272_20069_1219	7464	0	1	0	2981	0
SH58 W	SH2 to SH1		20069	1219		20069_1219	3601	0	1	0	2981	557
SH58 W	SH2 to SH1		20069	1219	20215	20069_1219_20215	3599	0	1	0	2981	0
SH58 W	SH2 to SH1		1219	20215		1219_20215	8511	0	1	0	2981	539
SH58 W	SH2 to SH1		1219	20215	20302	1219_20215_20302	8512	0	1	0	2981	0
SH58 W	SH2 to SH1		20215	20302		20215_20302	9107	0	1	0	2981	308
SH58 W	SH2 to SH1		20215	20302	20301	20215_20302_20301	9108	0	1	0	2981	0
SH58 W	SH2 to SH1		20302	20301		20302_20301	9104	0	1	0	2981	838
SH58 W	SH2 to SH1		20302	20301	20377	20302_20301_20377	9103	0	1	0	2981	0
SH58 W	SH2 to SH1		20301	20377		20301_20377	9547	0	1	0	2981	37
SH58 W	SH2 to SH1		20301	20377	20053	20301_20377_20053	9548	0	1	0	2981	0
SH58 W	SH2 to SH1		20377	20053		20377_20053	7367	0	1	0	2981	164
SH58 W	SH2 to SH1		20377	20053	40050	20377_20053_40050	7366	0	1	0	2981	0
SH58 W	SH2 to SH1		20053	40050		20053_40050	11762	0	1	0	2981	488
SH58 W	SH2 to SH1	Mount Cecil Rd - Moonshine Hill Rd	20053	40050	90176	20053_40050_90176	11763	1	2	3297	6278	0
SH58 W	SH2 to SH1		40050	90176		40050_90176	13198	0	2	0	6278	3297
SH58 W	SH2 to SH2	Moonshine Hill Rd - Paekakariki Hill Rd	40050	90176	40231	40050_90176_40231	13199	1	3	3639	9917	0
SH58 W	SH2 to SH3		90176	40231		90176_40231	12916	0	3	0	9917	2984
SH58 W	SH2 to SH4		90176	40231	40207	90176_40231_40207	12915	0	3	0	9917	0
SH58 W	SH2 to SH1		40231	40207		40231_40207	12784	0	3	0	9917	524
SH58 W	SH2 to SH1		40231	40207	40221	40231_40207_40221	12783	0	3	0	9917	0
SH58 W	SH2 to SH1		40207	40221		40207_40221	12859	0	3	0	9917	25
SH58 W	SH2 to SH1		40207	40221	40022	40207_40221_40022	12860	0	3	0	9917	0
SH58 W	SH2 to SH1		40221	40022		40221_40022	11616	0	3	0	9917	106
SH58 W	SH2 to SH1	Paekakariki Hill Rd - James Cook Dr	40221	40022	40044	40221_40022_40044	11613	1	4	1525	11442	0
SH58 W	SH2 to SH1		40022	40044		40022_40044	11733	0	4	0	11442	75
SH58 W	SH2 to SH1		40022	40044	40244	40022_40044_40244	11734	0	4	0	11442	0
SH58 W	SH2 to SH1		40044	40244		40044_40244	12965	0	4	0	11442	174
SH58 W	SH2 to SH1		40044	40244	40017	40044_40244_40017	12967	0	4	0	11442	0
SH58 W	SH2 to SH1		40244	40017		40244_40017	11568	0	4	0	11442	1276
SH58 W	SH2 to SH1	James Cook Dr - Postgate Dr	40244	40017	40242	40244_40017_40242	11567	1	5	2043	13485	0
SH58 W	SH2 to SH1		40017	40242		40017_40242	12952	0	5	0	13485	1323
SH58 W	SH2 to SH1		40017	40242	40018	40017_40242_40018	12953	0	5	0	13485	0
SH58 W	SH2 to SH1		40242	40018		40242_40018	11574	0	5	0	13485	193
SH58 W	SH2 to SH1		40242	40018	40157	40242_40018_40157	11573	0	5	0	13485	0
SH58 W	SH2 to SH1		40018	40157		40018_40157	12487	0	5	0	13485	527
SH58 W	SH2 to SH1	Postgate Dr - SH1	40018	40157	40092	40018_40157_40092	12489	1	6	1433	14918	0

Route	Direction	Checkpoint [- next Checkpoint]	Model nodes			ID	Match	empty test	counter	Distance between Checkpoints	Cumulative Distance between Checkpoints	Model Distances between nodes
SH58 W	SH2 to SH1		40157	40092		40157_40092	12098	0	6	0	14918	362
SH58 W	SH2 to SH1		40157	40092	40040	40157_40092_40040	12097	0	6	0	14918	0
SH58 W	SH2 to SH1		40092	40040		40092_40040	11708	0	6	0	14918	809
SH58 W	SH2 to SH1		40092	40040	40134	40092_40040_40134	11707	0	6	0	14918	0
SH58 W	SH2 to SH1		40040	40134		40040_40134	12339	0	6	0	14918	80
SH58 W	SH2 to SH1		40040	40134	40153	40040_40134_40153	12340	0	6	0	14918	0
SH58 W	SH2 to SH1		40134	40153		40134_40153	12451	0	6	0	14918	115
SH58 W	SH2 to SH1		40134	40153	40169	40134_40153_40169	12452	0	6	0	14918	0
SH58 W	SH2 to SH1		40153	40169		40153_40169	12572	0	6	0	14918	67
SH58 W	SH2 to SH1	END	40153	40169	40235	40153_40169_40235	12575	1	7	130	15048	0
SH58 W	SH2 to SH1		40169	40235		40169_40235	12930	0	7	0	15048	65
SH58 E	SH1 to SH2		40235	40169		40235_40169	12586	0	7	0	0	65
SH58 E	SH1 to SH2	SH1 - Postgate Dr	40235	40169	40153	40235_40169_40153	12582	1	8	1433	1433	0
SH58 E	SH1 to SH2		40169	40153		40169_40153	12454	0	8	0	1433	67
SH58 E	SH1 to SH2		40169	40153	40134	40169_40153_40134	12453	0	8	0	1433	0
SH58 E	SH1 to SH2		40153	40134		40153_40134	12342	0	8	0	1433	115
SH58 E	SH1 to SH2		40153	40134	40040	40153_40134_40040	12341	0	8	0	1433	0
SH58 E	SH1 to SH2		40134	40040		40134_40040	11710	0	8	0	1433	80
SH58 E	SH1 to SH2		40134	40040	40092	40134_40040_40092	11709	0	8	0	1433	0
SH58 E	SH1 to SH2		40040	40092		40040_40092	12102	0	8	0	1433	809
SH58 E	SH1 to SH2		40040	40092	40157	40040_40092_40157	12103	0	8	0	1433	0
SH58 E	SH1 to SH2		40092	40157		40092_40157	12484	0	8	0	1433	362
SH58 E	SH1 to SH2	Postgate Dr - James Cook Dr	40092	40157	40018	40092_40157_40018	12485	1	9	2043	3476	0
SH58 E	SH1 to SH2		40157	40018		40157_40018	11580	0	9	0	3476	527
SH58 E	SH1 to SH2		40157	40018	40242	40157_40018_40242	11578	0	9	0	3476	0
SH58 E	SH1 to SH2		40018	40242		40018_40242	12954	0	9	0	3476	193
SH58 E	SH1 to SH2		40018	40242	40017	40018_40242_40017	12955	0	9	0	3476	0
SH58 E	SH1 to SH2		40242	40017		40242_40017	11565	0	9	0	3476	1323
SH58 E	SH1 to SH2	James Cook Dr - Paekakariki Hill Rd	40242	40017	40244	40242_40017_40244	11563	1	10	1525	5001	0
SH58 E	SH1 to SH2		40017	40244		40017_40244	12962	0	10	0	5001	1276
SH58 E	SH1 to SH2		40017	40244	40044	40017_40244_40044	12963	0	10	0	5001	0
SH58 E	SH1 to SH2		40244	40044		40244_40044	11732	0	10	0	5001	174
SH58 E	SH1 to SH2		40244	40044	40022	40244_40044_40022	11731	0	10	0	5001	0
SH58 E	SH1 to SH2		40044	40022		40044_40022	11608	0	10	0	5001	75
SH58 E	SH1 to SH2	Paekakariki Hill Rd - Moonshine Hill Rd	40044	40022	40221	40044_40022_40221	11606	1	11	3639	8640	0
SH58 E	SH1 to SH2		40022	40221		40022_40221	12857	0	11	0	8640	106
SH58 E	SH1 to SH2		40022	40221	40207	40022_40221_40207	12858	0	11	0	8640	0
SH58 E	SH1 to SH2		40221	40207		40221_40207	12782	0	11	0	8640	25
SH58 E	SH1 to SH2		40221	40207	40231	40221_40207_40231	12781	0	11	0	8640	0

Route	Direction	Checkpoint [- next Checkpoint]	Model nodes			ID	Match	empty test	counter	Distance between Checkpoints	Cumulative Distance between Checkpoints	Model Distances between nodes
SH58 E	SH1 to SH2		40207	40231		40207_40231	12913	0	11	0	8640	524
SH58 E	SH1 to SH2		40207	40231	90176	40207_40231_90176	12914	0	11	0	8640	0
SH58 E	SH1 to SH3		40231	90176		40231_90176	13200	0	11	0	8640	2984
SH58 E	SH1 to SH4	Moonshine Hill Rd - Mount Cecil Rd	40231	90176	40050	40231_90176_40050	13201	1	12	3297	11937	0
SH58 E	SH1 to SH2		90176	40050		90176_40050	11761	0	12	0	11937	3297
SH58 E	SH1 to SH2	Mount Cecil Rd - SH2	90176	40050	20053	90176_40050_20053	11760	1	13	2374	14311	0
SH58 E	SH1 to SH2		40050	20053		40050_20053	7365	0	13	0	14311	488
SH58 E	SH1 to SH2		40050	20053	20377	40050_20053_20377	7364	0	13	0	14311	0
SH58 E	SH1 to SH2		20053	20377		20053_20377	9545	0	13	0	14311	164
SH58 E	SH1 to SH2		20053	20377	20301	20053_20377_20301	9546	0	13	0	14311	0
SH58 E	SH1 to SH2		20377	20301		20377_20301	9102	0	13	0	14311	37
SH58 E	SH1 to SH2		20377	20301	20302	20377_20301_20302	9101	0	13	0	14311	0
SH58 E	SH1 to SH2		20301	20302		20301_20302	9105	0	13	0	14311	838
SH58 E	SH1 to SH2		20301	20302	20215	20301_20302_20215	9106	0	13	0	14311	0
SH58 E	SH1 to SH2		20302	20215		20302_20215	8510	0	13	0	14311	308
SH58 E	SH1 to SH2		20302	20215	1219	20302_20215_1219	8509	0	13	0	14311	0
SH58 E	SH1 to SH2		20215	1219		20215_1219	3595	0	13	0	14311	539
SH58 E	SH1 to SH2	END	20215	1219	20069	20215_1219_20069	3594	1	14	607	14918	0
SH58 E	SH1 to SH2		1219	20069		1219_20069	7459	0	14	0	14918	557
SH58 E	SH1 to SH2		1219	20069	20272	1219_20069_20272	7461	0	14	0	14918	0
SH58 E	SH1 to SH2		20069	20272		20069_20272	8908	0	14	0	14918	50
The Esplanade E	SH2 to seaview	START	20337	20117		20337_20117	7836	1	15	54	54	54
The Esplanade E	SH2 to seaview	Hutt Rd/Esplanade RAB - Victoria St	20337	20117	20318	20337_20117_20318	7835	1	16	840	894	0
The Esplanade E	SH2 to seaview		20117	20318		20117_20318	9223	0	16	0	894	63
The Esplanade E	SH2 to seaview		20117	20318	3022	20117_20318_3022	9224	0	16	0	894	0
The Esplanade E	SH2 to seaview		20318	3022		20318_3022	5520	0	16	0	894	113
The Esplanade E	SH2 to seaview		20318	3022	2196	20318_3022_2196	5519	0	16	0	894	0
The Esplanade E	SH2 to seaview		3022	2196		3022_2196	5034	0	16	0	894	159
The Esplanade E	SH2 to seaview		3022	2196	2195	3022_2196_2195	5033	0	16	0	894	0
The Esplanade E	SH2 to seaview		2196	2195		2196_2195	5025	0	16	0	894	113
The Esplanade E	SH2 to seaview		2196	2195	20118	2196_2195_20118	5024	0	16	0	894	0
The Esplanade E	SH2 to seaview		2195	20118		2195_20118	7842	0	16	0	894	392
The Esplanade E	SH2 to seaview	Victoria St - Buick St	2195	20118	20031	2195_20118_20031	7844	1	17	701	1595	0
The Esplanade E	SH2 to seaview		20118	20031		20118_20031	7156	0	17	0	1595	73
The Esplanade E	SH2 to seaview		20118	20031	20039	20118_20031_20039	7155	0	17	0	1595	0
The Esplanade E	SH2 to seaview		20031	20039		20031_20039	7234	0	17	0	1595	74
The Esplanade E	SH2 to seaview		20031	20039	2194	20031_20039_2194	7236	0	17	0	1595	0
The Esplanade E	SH2 to seaview		20039	2194		20039_2194	5018	0	17	0	1595	466
The Esplanade E	SH2 to seaview		20039	2194	20040	20039_2194_20040	5017	0	17	0	1595	0

Route	Direction	Checkpoint [- next Checkpoint]	Model nodes			ID	Match	empty test	counter	Distance between Checkpoints	Cumulative Distance between Checkpoints	Model Distances between nodes
The Esplanade E	SH2 to seaview		2194	20040		2194_20040	7243	0	17	0	1595	88
The Esplanade E	SH2 to seaview	Buick St - Cuba St	2194	20040	2192	2194_20040_2192	7245	1	18	286	1881	0
The Esplanade E	SH2 to seaview		20040	2192		20040_2192	5002	0	18	0	1881	90
The Esplanade E	SH2 to seaview		20040	2192	2203	20040_2192_2203	5001	0	18	0	1881	0
The Esplanade E	SH2 to seaview		2192	2203		2192_2203	5063	0	18	0	1881	155
The Esplanade E	SH2 to seaview		2192	2203	20081	2192_2203_20081	5064	0	18	0	1881	0
The Esplanade E	SH2 to seaview		2203	20081		2203_20081	7532	0	18	0	1881	41
The Esplanade E	SH2 to seaview	Cuba St - Kirkcaldy St	2203	20081	2202	2203_20081_2202	7534	1	19	825	2706	0
The Esplanade E	SH2 to seaview		20081	2202		20081_2202	5060	0	19	0	2706	41
The Esplanade E	SH2 to seaview		20081	2202	20391	20081_2202_20391	5059	0	19	0	2706	0
The Esplanade E	SH2 to seaview		2202	20391		2202_20391	9637	0	19	0	2706	203
The Esplanade E	SH2 to seaview		2202	20391	2190	2202_20391_2190	9639	0	19	0	2706	0
The Esplanade E	SH2 to seaview		20391	2190		20391_2190	4986	0	19	0	2706	75
The Esplanade E	SH2 to seaview		20391	2190	20264	20391_2190_20264	4985	0	19	0	2706	0
The Esplanade E	SH2 to seaview		2190	20264		2190_20264	8853	0	19	0	2706	168
The Esplanade E	SH2 to seaview		2190	20264	2186	2190_20264_2186	8855	0	19	0	2706	0
The Esplanade E	SH2 to seaview		20264	2186		20264_2186	4960	0	19	0	2706	40
The Esplanade E	SH2 to seaview		20264	2186	2187	20264_2186_2187	4959	0	19	0	2706	0
The Esplanade E	SH2 to seaview		2186	2187		2186_2187	4966	0	19	0	2706	59
The Esplanade E	SH2 to seaview		2186	2187	2185	2186_2187_2185	4967	0	19	0	2706	0
The Esplanade E	SH2 to seaview		2187	2185		2187_2185	4945	0	19	0	2706	239
The Esplanade E	SH2 to seaview	Kirkcaldy St - Randwick Rd	2187	2185	20049	2187_2185_20049	4943	1	20	972	3678	0
The Esplanade E	SH2 to seaview		2185	20049		2185_20049	7337	0	20	0	3678	253
The Esplanade E	SH2 to seaview		2185	20049	20278	2185_20049_20278	7339	0	20	0	3678	0
The Esplanade E	SH2 to seaview		20049	20278		20049_20278	8943	0	20	0	3678	586
The Esplanade E	SH2 to seaview		20049	20278	20140	20049_20278_20140	8945	0	20	0	3678	0
The Esplanade E	SH2 to seaview		20278	20140		20278_20140	7989	0	20	0	3678	133
The Esplanade W	Seaview to SH2	Randwick Rd - Kirkcaldy St	20140	20278		20140_20278	8946	1	21	972	972	133
The Esplanade W	Seaview to SH2		20140	20278	20049	20140_20278_20049	8947	0	21	0	972	0
The Esplanade W	Seaview to SH2		20278	20049		20278_20049	7345	0	21	0	972	586
The Esplanade W	Seaview to SH2		20278	20049	2185	20278_20049_2185	7343	0	21	0	972	0
The Esplanade W	Seaview to SH2		20049	2185		20049_2185	4953	0	21	0	972	253
The Esplanade W	Seaview to SH2	Kirkcaldy St - Cuba St	20049	2185	2187	20049_2185_2187	4951	1	22	825	1797	0
The Esplanade W	Seaview to SH2		2185	2187		2185_2187	4968	0	22	0	1797	239
The Esplanade W	Seaview to SH2		2185	2187	2186	2185_2187_2186	4969	0	22	0	1797	0
The Esplanade W	Seaview to SH2		2187	2186		2187_2186	4965	0	22	0	1797	59
The Esplanade W	Seaview to SH2		2187	2186	20264	2187_2186_20264	4963	0	22	0	1797	0
The Esplanade W	Seaview to SH2		2186	20264		2186_20264	8859	0	22	0	1797	40
The Esplanade W	Seaview to SH2		2186	20264	2190	2186_20264_2190	8860	0	22	0	1797	0

Route	Direction	Checkpoint [- next Checkpoint]	Model nodes			ID	Match	empty test	counter	Distance between Checkpoints	Cumulative Distance between Checkpoints	Model Distances between nodes
The Esplanade W	Seaview to SH2		20264	2190		20264_2190	4990	0	22	0	1797	168
The Esplanade W	Seaview to SH2		20264	2190	20391	20264_2190_20391	4989	0	22	0	1797	0
The Esplanade W	Seaview to SH2		2190	20391		2190_20391	9643	0	22	0	1797	75
The Esplanade W	Seaview to SH2		2190	20391	2202	2190_20391_2202	9644	0	22	0	1797	0
The Esplanade W	Seaview to SH2		20391	2202		20391_2202	5062	0	22	0	1797	203
The Esplanade W	Seaview to SH2		20391	2202	20081	20391_2202_20081	5061	0	22	0	1797	0
The Esplanade W	Seaview to SH2		2202	20081		2202_20081	7538	0	22	0	1797	41
The Esplanade W	Seaview to SH2	Cuba St - Buick St	2202	20081	2203	2202_20081_2203	7539	1	23	286	2083	0
The Esplanade W	Seaview to SH2		20081	2203		20081_2203	5066	0	23	0	2083	41
The Esplanade W	Seaview to SH2		20081	2203	2192	20081_2203_2192	5065	0	23	0	2083	0
The Esplanade W	Seaview to SH2		2203	2192		2203_2192	5006	0	23	0	2083	155
The Esplanade W	Seaview to SH2		2203	2192	20040	2203_2192_20040	5005	0	23	0	2083	
The Esplanade W	Seaview to SH2		2192	20040		2192_20040	7249	0	23	0	2083	90
The Esplanade W	Seaview to SH2	Buick St - Victoria St	2192	20040	2194	2192_20040_2194	7250	1	24	701	2784	0
The Esplanade W	Seaview to SH2		20040	2194		20040_2194	5022	0	24	0	2784	88
The Esplanade W	Seaview to SH2		20040	2194	20039	20040_2194_20039	5021	0	24	0	2784	0
The Esplanade W	Seaview to SH2		2194	20039		2194_20039	7240	0	24	0	2784	466
The Esplanade W	Seaview to SH2		2194	20039	20031	2194_20039_20031	7241	0	24	0	2784	0
The Esplanade W	Seaview to SH2		20039	20031		20039_20031	7162	0	24	0	2784	74
The Esplanade W	Seaview to SH2		20039	20031	20118	20039_20031_20118	7160	0	24	0	2784	0
The Esplanade W	Seaview to SH2		20031	20118		20031_20118	7848	0	24	0	2784	73
The Esplanade W	Seaview to SH2	Victoria St - Hutt Rd/Esplanade RAB	20031	20118	2195	20031_20118_2195	7849	1	25	840	3624	0
The Esplanade W	Seaview to SH2		20118	2195		20118_2195	5031	0	25	0	3624	392
The Esplanade W	Seaview to SH2		20118	2195	2196	20118_2195_2196	5029	0	25	0	3624	0
The Esplanade W	Seaview to SH2		2195	2196		2195_2196	5037	0	25	0	3624	113
The Esplanade W	Seaview to SH2		2195	2196	3022	2195_2196_3022	5038	0	25	0	3624	0
The Esplanade W	Seaview to SH2		2196	3022		2196_3022	5521	0	25	0	3624	159
The Esplanade W	Seaview to SH2		2196	3022	20318	2196_3022_20318	5522	0	25	0	3624	0
The Esplanade W	Seaview to SH2		3022	20318		3022_20318	9225	0	25	0	3624	113
The Esplanade W	Seaview to SH2		3022	20318	20117	3022_20318_20117	9226	0	25	0	3624	0
The Esplanade W	Seaview to SH2		20318	20117		20318_20117	7841	0	25	0	3624	63
The Esplanade W	Seaview to SH2		20318	20117	20337	20318_20117_20337	7840	0	25	0	3624	0
The Esplanade W	Seaview to SH2	END	20117	20337		20117_20337	9343	1	26	54	3678	54

Route	Direction	Checkpoint [- next Checkpoint]	Model nodes			ID	Match	empty test	counter	Distance between Checkpoints	Cumulative Distance between Checkpoints	Model Distances between nodes
		Manually assigned these							0			
1S	Mackays to Ngauranga	START	50298	50126		50298_50126	13089	1	1	0	0	448
1S	Mackays to Ngauranga	MacKays Railway Crossing - Beach Rd (Paekakariki)	50298	50126	50104	50298_50126_50104	13088	1	2	2862	2862	0
1S	Mackays to Ngauranga		50126	50104		50126_50104	13047	0	2	0	2862	1334
1S	Mackays to Ngauranga		50126	50104	50103	50126_50104_50103	13046	0	2	0	2862	0
1S	Mackays to Ngauranga		50104	50103		50104_50103	13043	0	2	0	2862	166
1S	Mackays to Ngauranga		50104	50103	50105	50104_50103_50105	13042	0	2	0	2862	0
1S	Mackays to Ngauranga		50103	50105		50103_50105	13050	0	2	0	2862	87
1S	Mackays to Ngauranga		50103	50105	50245	50103_50105_50245	13051	0	2	0	2862	0
1S	Mackays to Ngauranga		50105	50245		50105_50245	13164	0	2	0	2862	849
1S	Mackays to Ngauranga		50105	50245	50115	50105_50245_50115	13165	0	2	0	2862	0
1S	Mackays to Ngauranga		50245	50115		50245_50115	13061	0	2	0	2862	426
1S	Mackays to Ngauranga	Beach Rd (Paekakariki) - Wairaka Rd (Pukerua Bay)	50245	50115	50141	50245_50115_50141	13059	1	3	7814	10676	0
1S	Mackays to Ngauranga		50115	50141		50115_50141	13105	0	3	0	10676	81
1S	Mackays to Ngauranga		50115	50141	50140	50115_50141_50140	13107	0	3	0	10676	0
1S	Mackays to Ngauranga		50141	50140		50141_50140	13102	0	3	0	10676	325
1S	Mackays to Ngauranga		50141	50140	50120	50141_50140_50120	13101	0	3	0	10676	0
1S	Mackays to Ngauranga		50140	50120		50140_50120	13075	0	3	0	10676	412
1S	Mackays to Ngauranga		50140	50120	50035	50140_50120_50035	13073	0	3	0	10676	0
1S	Mackays to Ngauranga		50120	50035		50120_50035	13026	0	3	0	10676	1424
1S	Mackays to Ngauranga		50120	50035	40004	50120_50035_40004	13025	0	3	0	10676	0
1S	Mackays to Ngauranga		50035	40004		50035_40004	11488	0	3	0	10676	182
1S	Mackays to Ngauranga		50035	40004	40121	50035_40004_40121	11487	0	3	0	10676	0
1S	Mackays to Ngauranga		40004	40121		40004_40121	12260	0	3	0	10676	3175
1S	Mackays to Ngauranga		40004	40121	40191	40004_40121_40191	12261	0	3	0	10676	0
1S	Mackays to Ngauranga		40121	40191		40121_40191	12699	0	3	0	10676	172
1S	Mackays to Ngauranga		40121	40191	40190	40121_40191_40190	12700	0	3	0	10676	0
1S	Mackays to Ngauranga		40191	40190		40191_40190	12696	0	3	0	10676	696
1S	Mackays to Ngauranga		40191	40190	40048	40191_40190_40048	12695	0	3	0	10676	0
1S	Mackays to Ngauranga		40190	40048		40190_40048	11753	0	3	0	10676	99
1S	Mackays to Ngauranga		40190	40048	40047	40190_40048_40047	11752	0	3	0	10676	0
1S	Mackays to Ngauranga		40048	40047		40048_40047	11749	0	3	0	10676	234
1S	Mackays to Ngauranga		40048	40047	40220	40048_40047_40220	11748	0	3	0	10676	0
1S	Mackays to Ngauranga		40047	40220		40047_40220	12855	0	3	0	10676	377
1S	Mackays to Ngauranga		40047	40220	40168	40047_40220_40168	12856	0	3	0	10676	0
1S	Mackays to Ngauranga		40220	40168		40220_40168	12569	0	3	0	10676	373
1S	Mackays to Ngauranga		40220	40168	40104	40220_40168_40104	12568	0	3	0	10676	0
1S	Mackays to Ngauranga		40168	40104		40168_40104	12175	0	3	0	10676	264
1S	Mackays to Ngauranga	Wairaka Rd (Pukerua Bay) - Airlie Rd (by Whenua Tapu Cemetery)	40168	40104	40074	40168_40104_40074	12173	1	4	2532	13208	0
1S	Mackays to Ngauranga		40104	40074		40104_40074	11985	0	4	0	13208	350

Route	Direction	Checkpoint [- next Checkpoint]	Model nodes			ID	Match	empty test	counter	Distance between Checkpoints	Cumulative Distance between Checkpoints	Model Distances between nodes
1S	Mackays to Ngauranga		40104	40074	40073	40104_40074_40073	11983	0	4	0	13208	0
1S	Mackays to Ngauranga		40074	40073		40074_40073	11973	0	4	0	13208	271
1S	Mackays to Ngauranga		40074	40073	40211	40074_40073_40211	11972	0	4	0	13208	0
1S	Mackays to Ngauranga		40073	40211		40073_40211	12802	0	4	0	13208	158
1S	Mackays to Ngauranga		40073	40211	40210	40073_40211_40210	12803	0	4	0	13208	0
1S	Mackays to Ngauranga		40211	40210		40211_40210	12799	0	4	0	13208	786
1S	Mackays to Ngauranga		40211	40210	40060	40211_40210_40060	12798	0	4	0	13208	0
1S	Mackays to Ngauranga		40210	40060		40210_40060	11869	0	4	0	13208	967
1S	Mackays to Ngauranga	Airlie Rd (by Whenua Tapu Cemetery) - Grays Rd (Plimmerton)	40210	40060	40103	40210_40060_40103	11867	1	5	3587	16795	0
1S	Mackays to Ngauranga		40060	40103		40060_40103	12165	0	5	0	16795	389
1S	Mackays to Ngauranga		40060	40103	40208	40060_40103_40208	12166	0	5	0	16795	0
1S	Mackays to Ngauranga		40103	40208		40103_40208	12785	0	5	0	16795	2756
1S	Mackays to Ngauranga		40103	40208	40123	40103_40208_40123	12786	0	5	0	16795	0
1S	Mackays to Ngauranga		40208	40123		40208_40123	12277	0	5	0	16795	114
1S	Mackays to Ngauranga		40208	40123	1226	40208_40123_1226	12275	0	5	0	16795	0
1S	Mackays to Ngauranga		40123	1226		40123_1226	3627	0	5	0	16795	273
1S	Mackays to Ngauranga		40123	1226	40141	40123_1226_40141	3626	0	5	0	16795	0
1S	Mackays to Ngauranga		1226	40141		1226_40141	12381	0	5	0	16795	55
1S	Mackays to Ngauranga	Grays Rd (Plimmerton) - Paremata Roundabout	1226	40141	40093	1226_40141_40093	12383	1	6	2338	19133	0
1S	Mackays to Ngauranga		40141	40093		40141_40093	12106	0	6	0	19133	122
1S	Mackays to Ngauranga		40141	40093	40131	40141_40093_40131	12105	0	6	0	19133	0
1S	Mackays to Ngauranga		40093	40131		40093_40131	12321	0	6	0	19133	30
1S	Mackays to Ngauranga		40093	40131	40025	40093_40131_40025	12322	0	6	0	19133	0
1S	Mackays to Ngauranga		40131	40025		40131_40025	11624	0	6	0	19133	47
1S	Mackays to Ngauranga		40131	40025	40185	40131_40025_40185	11623	0	6	0	19133	0
1S	Mackays to Ngauranga		40025	40185		40025_40185	12660	0	6	0	19133	102
1S	Mackays to Ngauranga		40025	40185	40024	40025_40185_40024	12662	0	6	0	19133	0
1S	Mackays to Ngauranga		40185	40024		40185_40024	11620	0	6	0	19133	102
1S	Mackays to Ngauranga		40185	40024	2257	40185_40024_2257	11619	0	6	0	19133	0
1S	Mackays to Ngauranga		40024	2257		40024_2257	5275	0	6	0	19133	312
1S	Mackays to Ngauranga		40024	2257	2004	40024_2257_2004	5274	0	6	0	19133	0
1S	Mackays to Ngauranga		2257	2004		2257_2004	3682	0	6	0	19133	39
1S	Mackays to Ngauranga		2257	2004	2258	2257_2004_2258	3680	0	6	0	19133	0
1S	Mackays to Ngauranga		2004	2258		2004_2258	5278	0	6	0	19133	28
1S	Mackays to Ngauranga		2004	2258	40224	2004_2258_40224	5279	0	6	0	19133	0
1S	Mackays to Ngauranga		2258	40224		2258_40224	12869	0	6	0	19133	166
1S	Mackays to Ngauranga		2258	40224	40223	2258_40224_40223	12870	0	6	0	19133	0
1S	Mackays to Ngauranga		40224	40223		40224_40223	12866	0	6	0	19133	136
1S	Mackays to Ngauranga		40224	40223	40156	40224_40223_40156	12865	0	6	0	19133	0
1S	Mackays to Ngauranga		40223	40156		40223_40156	12475	0	6	0	19133	63
1S	Mackays to Ngauranga		40223	40156	2262	40223_40156_2262	12473	0	6	0	19133	0
1S	Mackays to Ngauranga		40156	2262		40156_2262	5295	0	6	0	19133	47

Route	Direction	Checkpoint [- next Checkpoint]	Model nodes			ID	Match	empty test	counter	Distance between Checkpoints	Cumulative Distance between Checkpoints	Model Distances between nodes	
1S	Mackays to Ngauranga		40156	2262	2259	40156_2262_2259		5294	0	6	0	19133	0
1S	Mackays to Ngauranga		2262	2259		2262_2259		5283	0	6	0	19133	174
1S	Mackays to Ngauranga		2262	2259	2005	2262_2259_2005		5282	0	6	0	19133	0
1S	Mackays to Ngauranga		2259	2005		2259_2005		3698	0	6	0	19133	44
1S	Mackays to Ngauranga		2259	2005	2260	2259_2005_2260		3696	0	6	0	19133	0
1S	Mackays to Ngauranga		2005	2260		2005_2260		5286	0	6	0	19133	42
1S	Mackays to Ngauranga		2005	2260	40155	2005_2260_40155		5287	0	6	0	19133	0
1S	Mackays to Ngauranga		2260	40155		2260_40155		12464	0	6	0	19133	151
1S	Mackays to Ngauranga		2260	40155	3023	2260_40155_3023		12465	0	6	0	19133	0
1S	Mackays to Ngauranga		40155	3023		40155_3023		5524	0	6	0	19133	148
1S	Mackays to Ngauranga		40155	3023	50019	40155_3023_50019		5523	0	6	0	19133	0
1S	Mackays to Ngauranga		3023	50019		3023_50019		13013	0	6	0	19133	98
1S	Mackays to Ngauranga		3023	50019	40163	3023_50019_40163		13014	0	6	0	19133	0
1S	Mackays to Ngauranga		50019	40163		50019_40163		12551	0	6	0	19133	102
1S	Mackays to Ngauranga		50019	40163	40152	50019_40163_40152		12550	0	6	0	19133	0
1S	Mackays to Ngauranga		40163	40152		40163_40152		12450	0	6	0	19133	177
1S	Mackays to Ngauranga		40163	40152	40167	40163_40152_40167		12449	0	6	0	19133	0
1S	Mackays to Ngauranga		40152	40167		40152_40167		12566	0	6	0	19133	208
1S	Mackays to Ngauranga	Paremata Roundabout - Whitford Brown Ave	40152	40167	40235	40152_40167_40235		12567	1	7	2136	21269	0
1S	Mackays to Ngauranga		40167	40235		40167_40235		12927	0	7	0	21269	45
1S	Mackays to Ngauranga		40167	40235	40077	40167_40235_40077		12929	0	7	0	21269	0
1S	Mackays to Ngauranga		40235	40077		40235_40077		11999	0	7	0	21269	43
1S	Mackays to Ngauranga		40235	40077	40009	40235_40077_40009		11997	0	7	0	21269	0
1S	Mackays to Ngauranga		40077	40009		40077_40009		11516	0	7	0	21269	94
1S	Mackays to Ngauranga		40077	40009	3017	40077_40009_3017		11515	0	7	0	21269	0
1S	Mackays to Ngauranga		40009	3017		40009_3017		5505	0	7	0	21269	96
1S	Mackays to Ngauranga		40009	3017	40010	40009_3017_40010		5504	0	7	0	21269	0
1S	Mackays to Ngauranga		3017	40010		3017_40010		11519	0	7	0	21269	1696
1S	Mackays to Ngauranga		3017	40010	40051	3017_40010_40051		11520	0	7	0	21269	0
1S	Mackays to Ngauranga		40010	40051		40010_40051		11764	0	7	0	21269	107
1S	Mackays to Ngauranga		40010	40051	40019	40010_40051_40019		11766	0	7	0	21269	0
1S	Mackays to Ngauranga		40051	40019		40051_40019		11584	0	7	0	21269	55
1S	Mackays to Ngauranga	Whidford Brown Ave - Porirua (Mungavin Ave) SBD off ramp	40051	40019	40012	40051_40019_40012		11583	1	8	1810	23079	0
1S	Mackays to Ngauranga		40019	40012		40019_40012		11529	0	8	0	23079	53
1S	Mackays to Ngauranga		40019	40012	40091	40019_40012_40091		11528	0	8	0	23079	0
1S	Mackays to Ngauranga		40012	40091		40012_40091		12093	0	8	0	23079	934
1S	Mackays to Ngauranga		40012	40091	50011	40012_40091_50011		12095	0	8	0	23079	0
1S	Mackays to Ngauranga		40091	50011		40091_50011		13010	0	8	0	23079	823
1S	Mackays to Ngauranga	Porirua (Mungavin Ave) SBD off ramp - Tawa (Takapu Rd) SBD	40091	50011	40113	40091_50011_40113		13012	1	9	5672	28751	0
1S	Mackays to Ngauranga		50011	40113		50011_40113		12227	0	9	0	28751	911
1S	Mackays to Ngauranga		50011	40113	2281	50011_40113_2281		12226	0	9	0	28751	0
1S	Mackays to Ngauranga		40113	2281		40113_2281		5367	0	9	0	28751	141

Route	Direction	Checkpoint [- next Checkpoint]	Model nodes			ID	Match	empty test	counter	Distance between Checkpoints	Cumulative Distance between Checkpoints	Model Distances between nodes
1S	Mackays to Ngauranga		40113	2281	10241	40113_2281_10241	5366	0	9	0	28751	0
1S	Mackays to Ngauranga		2281	10241		2281_10241	5761	0	9	0	28751	3135
1S	Mackays to Ngauranga		2281	10241	10242	2281_10241_10242	5762	0	9	0	28751	0
1S	Mackays to Ngauranga		10241	10242		10241_10242	5763	0	9	0	28751	1485
1S	Mackays to Ngauranga	Tawa (Takapu Rd) SBD off ramp - Westchester Rd SBD off ramp	10241	10242	10623	10241_10242_10623	5765	1	10	2311	31062	0
1S	Mackays to Ngauranga		10242	10623		10242_10623	6428	0	10	0	31062	759
1S	Mackays to Ngauranga		10242	10623	2283	10242_10623_2283	6429	0	10	0	31062	0
1S	Mackays to Ngauranga		10623	2283		10623_2283	5371	0	10	0	31062	106
1S	Mackays to Ngauranga		10623	2283	10748	10623_2283_10748	5370	0	10	0	31062	0
1S	Mackays to Ngauranga		2283	10748		2283_10748	6564	0	10	0	31062	1446
1S	Mackays to Ngauranga	Westchester Rd SBD off ramp - Johnsonville SBD off ramp	2283	10748	10749	2283_10748_10749	6566	1	11	2294	33356	0
1S	Mackays to Ngauranga		10748	10749		10748_10749	6567	0	11	0	33356	949
1S	Mackays to Ngauranga		10748	10749	2285	10748_10749_2285	6568	0	11	0	33356	0
1S	Mackays to Ngauranga		10749	2285		10749_2285	5375	0	11	0	33356	108
1S	Mackays to Ngauranga		10749	2285	10725	10749_2285_10725	5374	0	11	0	33356	0
1S	Mackays to Ngauranga		2285	10725		2285_10725	6544	0	11	0	33356	1237
1S	Mackays to Ngauranga	Johnsonville SBD off ramp - Newlands I/C SBD on ramp	2285	10725	10726	2285_10725_10726	6546	1	12	1367	34723	0
1S	Mackays to Ngauranga		10725	10726		10725_10726	6547	0	12	0	34723	730
1S	Mackays to Ngauranga		10725	10726	10425	10725_10726_10425	6548	0	12	0	34723	0
1S	Mackays to Ngauranga		10726	10425		10726_10425	6021	0	12	0	34723	391
1S	Mackays to Ngauranga		10726	10425	10597	10726_10425_10597	6019	0	12	0	34723	0
1S	Mackays to Ngauranga		10425	10597		10425_10597	6383	0	12	0	34723	119
1S	Mackays to Ngauranga		10425	10597	10598	10425_10597_10598	6384	0	12	0	34723	0
1S	Mackays to Ngauranga		10597	10598		10597_10598	6387	0	12	0	34723	127
1S	Mackays to Ngauranga	Newlands I/C SBD on ramp - SH1 / SH2 merge	10597	10598	10695	10597_10598_10695	6389	1	13	2844	37567	0
1S	Mackays to Ngauranga		10598	10695		10598_10695	6507	0	13	0	37567	177
1S	Mackays to Ngauranga		10598	10695	10348	10598_10695_10348	6508	0	13	0	37567	0
1S	Mackays to Ngauranga		10695	10348		10695_10348	5933	0	13	0	37567	262
1S	Mackays to Ngauranga		10695	10348	2287	10695_10348_2287	5932	0	13	0	37567	0
1S	Mackays to Ngauranga		10348	2287		10348_2287	5379	0	13	0	37567	110
1S	Mackays to Ngauranga		10348	2287	10081	10348_2287_10081	5378	0	13	0	37567	0
1S	Mackays to Ngauranga		2287	10081		2287_10081	5636	0	13	0	37567	752
1S	Mackays to Ngauranga		2287	10081	10082	2287_10081_10082	5637	0	13	0	37567	0
1S	Mackays to Ngauranga		10081	10082		10081_10082	5638	0	13	0	37567	354
1S	Mackays to Ngauranga		10081	10082	10371	10081_10082_10371	5640	0	13	0	37567	0
1S	Mackays to Ngauranga		10082	10371		10082_10371	5942	0	13	0	37567	1189
1S	Mackays to Ngauranga		10082	10371	10346	10082_10371_10346	5943	0	13	0	37567	0
1S	Mackays to Ngauranga	SH1 / SH2 merge - Aotea Quay SBD off ramp	10371	10346		10371_10346	5931	1	14	5227	42794	2624
1N	Ngauranga to Mackays		10364	10742		10364_10742	6553	0	14	0	0	2603
1N	Ngauranga to Mackays	SH1 / SH2 diverge - Newlands I/C NBD off ramp	10364	10742	10754	10364_10742_10754	6554	1	15	2001	2001	0
1N	Ngauranga to Mackays		10742	10754		10742_10754	6571	0	15	0	2001	908
1N	Ngauranga to Mackays		10742	10754	10065	10742_10754_10065	6572	0	15	0	2001	0

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1N	Ngauranga to Mackays		10754	10065		10754_10065	5620	0	15	0	2001	149
1N	Ngauranga to Mackays		10754	10065	10525	10754_10065_10525	5619	0	15	0	2001	0
1N	Ngauranga to Mackays		10065	10525		10065_10525	6224	0	15	0	2001	595
1N	Ngauranga to Mackays		10065	10525	10066	10065_10525_10066	6226	0	15	0	2001	0
1N	Ngauranga to Mackays		10525	10066		10525_10066	5623	0	15	0	2001	349
1N	Ngauranga to Mackays	Newlands I/C NBD off ramp - Johnsonville NBD on ramp	10525	10066	10628	10525_10066_10628	5622	1	16	1966	3967	0
1N	Ngauranga to Mackays		10066	10628		10066_10628	6434	0	16	0	3967	451
1N	Ngauranga to Mackays		10066	10628	2288	10066_10628_2288	6435	0	16	0	3967	0
1N	Ngauranga to Mackays		10628	2288		10628_2288	5381	0	16	0	3967	94
1N	Ngauranga to Mackays		10628	2288	10629	10628_2288_10629	5380	0	16	0	3967	0
1N	Ngauranga to Mackays		2288	10629		2288_10629	6438	0	16	0	3967	323
1N	Ngauranga to Mackays		2288	10629	10826	2288_10629_10826	6440	0	16	0	3967	0
1N	Ngauranga to Mackays		10629	10826		10629_10826	6658	0	16	0	3967	402
1N	Ngauranga to Mackays		10629	10826	10827	10629_10826_10827	6659	0	16	0	3967	0
1N	Ngauranga to Mackays		10826	10827		10826_10827	6660	0	16	0	3967	696
1N	Ngauranga to Mackays	Johnsonville NBD on ramp - Westchester Rd NBD on ramp	10826	10827	2286	10826_10827_2286	6661	1	17	2286	6253	0
1N	Ngauranga to Mackays		10827	2286		10827_2286	5377	0	17	0	6253	105
1N	Ngauranga to Mackays		10827	2286	10392	10827_2286_10392	5376	0	17	0	6253	0
1N	Ngauranga to Mackays		2286	10392		2286_10392	5993	0	17	0	6253	1275
1N	Ngauranga to Mackays		2286	10392	10703	2286_10392_10703	5995	0	17	0	6253	0
1N	Ngauranga to Mackays		10392	10703		10392_10703	6509	0	17	0	6253	906
1N	Ngauranga to Mackays	Westchester Rd NBD on ramp - Tawa (Takapu Rd) NBD on ramp	10392	10703	2284	10392_10703_2284	6510	1	18	2362	8615	0
1N	Ngauranga to Mackays		10703	2284		10703_2284	5373	0	18	0	8615	104
1N	Ngauranga to Mackays		10703	2284	10530	10703_2284_10530	5372	0	18	0	8615	0
1N	Ngauranga to Mackays		2284	10530		2284_10530	6250	0	18	0	8615	1427
1N	Ngauranga to Mackays		2284	10530	10077	2284_10530_10077	6252	0	18	0	8615	0
1N	Ngauranga to Mackays		10530	10077		10530_10077	5633	0	18	0	8615	171
1N	Ngauranga to Mackays		10530	10077	10078	10530_10077_10078	5632	0	18	0	8615	0
1N	Ngauranga to Mackays		10077	10078		10077_10078	5634	0	18	0	8615	605
1N	Ngauranga to Mackays		10077	10078	10644	10077_10078_10644	5635	0	18	0	8615	0
1N	Ngauranga to Mackays		10078	10644		10078_10644	6449	0	18	0	8615	55
1N	Ngauranga to Mackays	Tawa (Takapu Rd) NBD on ramp - Porirua (Mungavin Ave) NBD On ramp	10078	10644	2282	10078_10644_2282	6450	1	19	5626	14241	0
1N	Ngauranga to Mackays		10644	2282		10644_2282	5369	0	19	0	14241	109
1N	Ngauranga to Mackays		10644	2282	40170	10644_2282_40170	5368	0	19	0	14241	0
1N	Ngauranga to Mackays		2282	40170		2282_40170	12587	0	19	0	14241	4641
1N	Ngauranga to Mackays		2282	40170	50024	2282_40170_50024	12589	0	19	0	14241	0
1N	Ngauranga to Mackays		40170	50024		40170_50024	13021	0	19	0	14241	876
1N	Ngauranga to Mackays	Porirua (Mungavin Ave) NBD on ramp - Whitford Brown Ave off ramp	40170	50024	2279	40170_50024_2279	13022	1	20	1512	15753	0
1N	Ngauranga to Mackays		50024	2279		50024_2279	5363	0	20	0	15753	115
1N	Ngauranga to Mackays		50024	2279	40216	50024_2279_40216	5362	0	20	0	15753	0
1N	Ngauranga to Mackays		2279	40216		2279_40216	12837	0	20	0	15753	743
1N	Ngauranga to Mackays		2279	40216	2280	2279_40216_2280	12838	0	20	0	15753	0

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1N	Ngauranga to Mackays		40216	2280		40216_2280	5365	0	20	0	15753	189
1N	Ngauranga to Mackays		40216	2280	40179	40216_2280_40179	5364	0	20	0	15753	0
1N	Ngauranga to Mackays		2280	40179		2280_40179	12637	0	20	0	15753	465
1N	Ngauranga to Mackays	Whitford Brown Ave off ramp - Paremata Roundabout	2280	40179	40180	2280_40179_40180	12638	1	21	2367	18120	0
1N	Ngauranga to Mackays		40179	40180		40179_40180	12642	0	21	0	18120	457
1N	Ngauranga to Mackays		40179	40180	40146	40179_40180_40146	12643	0	21	0	18120	0
1N	Ngauranga to Mackays		40180	40146		40180_40146	12411	0	21	0	18120	166
1N	Ngauranga to Mackays		40180	40146	40147	40180_40146_40147	12410	0	21	0	18120	0
1N	Ngauranga to Mackays		40146	40147		40146_40147	12412	0	21	0	18120	1480
1N	Ngauranga to Mackays		40146	40147	40219	40146_40147_40219	12413	0	21	0	18120	0
1N	Ngauranga to Mackays		40147	40219		40147_40219	12851	0	21	0	18120	173
1N	Ngauranga to Mackays		40147	40219	40078	40147_40219_40078	12852	0	21	0	18120	0
1N	Ngauranga to Mackays		40219	40078		40219_40078	12003	0	21	0	18120	91
1N	Ngauranga to Mackays	Paremata Roundabout - Grays Rd (Plimmerton)	40219	40078	40130	40219_40078_40130	12002	1	22	2421	20541	0
1N	Ngauranga to Mackays		40078	40130		40078_40130	12313	0	22	0	20541	42
1N	Ngauranga to Mackays		40078	40130	40015	40078_40130_40015	12315	0	22	0	20541	0
1N	Ngauranga to Mackays		40130	40015		40130_40015	11560	0	22	0	20541	49
1N	Ngauranga to Mackays		40130	40015	40016	40130_40015_40016	11558	0	22	0	20541	0
1N	Ngauranga to Mackays		40015	40016		40015_40016	11561	0	22	0	20541	331
1N	Ngauranga to Mackays		40015	40016	50019	40015_40016_50019	11562	0	22	0	20541	0
1N	Ngauranga to Mackays		40016	50019		40016_50019	13015	0	22	0	20541	148
1N	Ngauranga to Mackays		40016	50019	3023	40016_50019_3023	13016	0	22	0	20541	0
1N	Ngauranga to Mackays		50019	3023		50019_3023	5526	0	22	0	20541	98
1N	Ngauranga to Mackays		50019	3023	40155	50019_3023_40155	5525	0	22	0	20541	0
1N	Ngauranga to Mackays		3023	40155		3023_40155	12466	0	22	0	20541	148
1N	Ngauranga to Mackays		3023	40155	2260	3023_40155_2260	12467	0	22	0	20541	0
1N	Ngauranga to Mackays		40155	2260		40155_2260	5289	0	22	0	20541	151
1N	Ngauranga to Mackays		40155	2260	2005	40155_2260_2005	5288	0	22	0	20541	0
1N	Ngauranga to Mackays		2260	2005		2260_2005	3706	0	22	0	20541	42
1N	Ngauranga to Mackays		2260	2005	2259	2260_2005_2259	3704	0	22	0	20541	0
1N	Ngauranga to Mackays		2005	2259		2005_2259	5284	0	22	0	20541	44
1N	Ngauranga to Mackays		2005	2259	2262	2005_2259_2262	5285	0	22	0	20541	0
1N	Ngauranga to Mackays		2259	2262		2259_2262	5296	0	22	0	20541	174
1N	Ngauranga to Mackays		2259	2262	40156	2259_2262_40156	5297	0	22	0	20541	0
1N	Ngauranga to Mackays		2262	40156		2262_40156	12480	0	22	0	20541	47
1N	Ngauranga to Mackays		2262	40156	40223	2262_40156_40223	12482	0	22	0	20541	0
1N	Ngauranga to Mackays		40156	40223		40156_40223	12867	0	22	0	20541	63
1N	Ngauranga to Mackays		40156	40223	40224	40156_40223_40224	12868	0	22	0	20541	0
1N	Ngauranga to Mackays		40223	40224		40223_40224	12871	0	22	0	20541	136
1N	Ngauranga to Mackays		40223	40224	2258	40223_40224_2258	12872	0	22	0	20541	0
1N	Ngauranga to Mackays		40224	2258		40224_2258	5281	0	22	0	20541	166
1N	Ngauranga to Mackays		40224	2258	2004	40224_2258_2004	5280	0	22	0	20541	0

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1N	Ngauranga to Mackays		2258	2004		2258_2004		3690	0	22	0	20541	28
1N	Ngauranga to Mackays		2258	2004	2257	2258_2004_2257		3688	0	22	0	20541	0
1N	Ngauranga to Mackays		2004	2257		2004_2257		5276	0	22	0	20541	39
1N	Ngauranga to Mackays		2004	2257	40024	2004_2257_40024		5277	0	22	0	20541	0
1N	Ngauranga to Mackays		2257	40024		2257_40024		11621	0	22	0	20541	312
1N	Ngauranga to Mackays		2257	40024	40185	2257_40024_40185		11622	0	22	0	20541	0
1N	Ngauranga to Mackays		40024	40185		40024_40185		12666	0	22	0	20541	102
1N	Ngauranga to Mackays		40024	40185	40025	40024_40185_40025		12667	0	22	0	20541	0
1N	Ngauranga to Mackays		40185	40025		40185_40025		11626	0	22	0	20541	102
1N	Ngauranga to Mackays		40185	40025	40131	40185_40025_40131		11625	0	22	0	20541	0
1N	Ngauranga to Mackays		40025	40131		40025_40131		12324	0	22	0	20541	47
1N	Ngauranga to Mackays		40025	40131	40093	40025_40131_40093		12326	0	22	0	20541	0
1N	Ngauranga to Mackays		40131	40093		40131_40093		12108	0	22	0	20541	30
1N	Ngauranga to Mackays		40131	40093	40141	40131_40093_40141		12107	0	22	0	20541	0
1N	Ngauranga to Mackays		40093	40141		40093_40141		12387	0	22	0	20541	122
1N	Ngauranga to Mackays	Grays Rd (Plimmerton) - Airlie Rd (by Whenua Tapu Cemetery)	40093	40141	1226	40093_40141_1226		12388	1	23	3587	24128	0
1N	Ngauranga to Mackays		40141	1226		40141_1226		3629	0	23	0	24128	55
1N	Ngauranga to Mackays		40141	1226	40123	40141_1226_40123		3628	0	23	0	24128	0
1N	Ngauranga to Mackays		1226	40123		1226_40123		12278	0	23	0	24128	273
1N	Ngauranga to Mackays		1226	40123	40208	1226_40123_40208		12279	0	23	0	24128	0
1N	Ngauranga to Mackays		40123	40208		40123_40208		12787	0	23	0	24128	114
1N	Ngauranga to Mackays		40123	40208	40103	40123_40208_40103		12788	0	23	0	24128	0
1N	Ngauranga to Mackays		40208	40103		40208_40103		12169	0	23	0	24128	2756
1N	Ngauranga to Mackays		40208	40103	40060	40208_40103_40060		12168	0	23	0	24128	0
1N	Ngauranga to Mackays		40103	40060		40103_40060		11877	0	23	0	24128	389
1N	Ngauranga to Mackays	Airlie Rd (by Whenua Tapu Cemetery) - Wairaka Rd (Pukerua Bay)	40103	40060	40210	40103_40060_40210		11875	1	24	2532	26660	0
1N	Ngauranga to Mackays		40060	40210		40060_40210		12800	0	24	0	26660	967
1N	Ngauranga to Mackays		40060	40210	40211	40060_40210_40211		12801	0	24	0	26660	0
1N	Ngauranga to Mackays		40210	40211		40210_40211		12804	0	24	0	26660	786
1N	Ngauranga to Mackays		40210	40211	40073	40210_40211_40073		12805	0	24	0	26660	0
1N	Ngauranga to Mackays		40211	40073		40211_40073		11979	0	24	0	26660	158
1N	Ngauranga to Mackays		40211	40073	40074	40211_40073_40074		11977	0	24	0	26660	0
1N	Ngauranga to Mackays		40073	40074		40073_40074		11986	0	24	0	26660	271
1N	Ngauranga to Mackays		40073	40074	40104	40073_40074_40104		11988	0	24	0	26660	0
1N	Ngauranga to Mackays		40074	40104		40074_40104		12176	0	24	0	26660	350
1N	Ngauranga to Mackays	Wairaka Rd (Pukerua Bay) - Beach Rd (Paekakariki)	40074	40104	40168	40074_40104_40168		12178	1	25	7798	34458	0
1N	Ngauranga to Mackays		40104	40168		40104_40168		12570	0	25	0	34458	264
1N	Ngauranga to Mackays		40104	40168	40220	40104_40168_40220		12571	0	25	0	34458	0
1N	Ngauranga to Mackays		40168	40220		40168_40220		12853	0	25	0	34458	373
1N	Ngauranga to Mackays		40168	40220	40047	40168_40220_40047		12854	0	25	0	34458	0
1N	Ngauranga to Mackays		40220	40047		40220_40047		11751	0	25	0	34458	377
1N	Ngauranga to Mackays		40220	40047	40048	40220_40047_40048		11750	0	25	0	34458	0

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1N	Ngauranga to Mackays		40047	40048		40047_40048	11754	0	25	0	34458	234
1N	Ngauranga to Mackays		40047	40048	40190	40047_40048_40190	11755	0	25	0	34458	0
1N	Ngauranga to Mackays		40048	40190		40048_40190	12697	0	25	0	34458	99
1N	Ngauranga to Mackays		40048	40190	40191	40048_40190_40191	12698	0	25	0	34458	0
1N	Ngauranga to Mackays		40190	40191		40190_40191	12701	0	25	0	34458	696
1N	Ngauranga to Mackays		40190	40191	40121	40190_40191_40121	12702	0	25	0	34458	0
1N	Ngauranga to Mackays		40191	40121		40191_40121	12263	0	25	0	34458	172
1N	Ngauranga to Mackays		40191	40121	50035	40191_40121_50035	12262	0	25	0	34458	0
1N	Ngauranga to Mackays		40121	50035		40121_50035	13027	0	25	0	34458	3341
1N	Ngauranga to Mackays		40121	50035	50120	40121_50035_50120	13028	0	25	0	34458	0
1N	Ngauranga to Mackays		50035	50120		50035_50120	13076	0	25	0	34458	1424
1N	Ngauranga to Mackays		50035	50120	50140	50035_50120_50140	13078	0	25	0	34458	0
1N	Ngauranga to Mackays		50120	50140		50120_50140	13103	0	25	0	34458	412
1N	Ngauranga to Mackays		50120	50140	50141	50120_50140_50141	13104	0	25	0	34458	0
1N	Ngauranga to Mackays		50140	50141		50140_50141	13111	0	25	0	34458	325
1N	Ngauranga to Mackays		50140	50141	50115	50140_50141_50115	13112	0	25	0	34458	0
1N	Ngauranga to Mackays		50141	50115		50141_50115	13069	0	25	0	34458	81
1N	Ngauranga to Mackays	Beach Rd (Paekakariki) - McKays Railway Crossing	50141	50115	50245	50141_50115_50245	13067	1	26	3231	37689	0
1N	Ngauranga to Mackays		50115	50245		50115_50245	13166	0	26	0	37689	426
1N	Ngauranga to Mackays		50115	50245	50105	50115_50245_50105	13167	0	26	0	37689	0
1N	Ngauranga to Mackays		50245	50105		50245_50105	13053	0	26	0	37689	849
1N	Ngauranga to Mackays		50245	50105	50103	50245_50105_50103	13052	0	26	0	37689	0
1N	Ngauranga to Mackays		50105	50103		50105_50103	13045	0	26	0	37689	87
1N	Ngauranga to Mackays		50105	50103	50104	50105_50103_50104	13044	0	26	0	37689	0
1N	Ngauranga to Mackays		50103	50104		50103_50104	13048	0	26	0	37689	166
1N	Ngauranga to Mackays		50103	50104	50126	50103_50104_50126	13049	0	26	0	37689	0
1N	Ngauranga to Mackays		50104	50126		50104_50126	13090	0	26	0	37689	1334
1N	Ngauranga to Mackays		50104	50126	50297	50104_50126_50297	13091	0	26	0	37689	0
1N	Ngauranga to Mackays		50126	50297		50126_50297	13185	0	26	0	37689	369
1N	Ngauranga to Mackays	END	50126	50297	50136	50126_50297_50136	13187	1	27	656	38345	0
1N	Ngauranga to Mackays		50297	50136		50297_50136	13100	0	27	0	38345	608
2S	Upper Hutt to WGN		30063	30091		30063_30091	11029	0	27	0	0	48
2S	Upper Hutt to WGN	Main Street/Gibbons Street - Gibbons Street	30063	30091	30076	30063_30091_30076	11030	1	28	982	982	0
2S	Upper Hutt to WGN		30091	30076		30091_30076	10914	0	28	0	982	397
2S	Upper Hutt to WGN		30091	30076	30030	30091_30076_30030	10912	0	28	0	982	0
2S	Upper Hutt to WGN		30076	30030		30076_30030	10604	0	28	0	982	473
2S	Upper Hutt to WGN		30076	30030	30002	30076_30030_30002	10601	0	28	0	982	0
2S	Upper Hutt to WGN		30030	30002		30030_30002	10432	0	28	0	982	76
2S	Upper Hutt to WGN		30030	30002	30027	30030_30002_30027	10431	0	28	0	982	0
2S	Upper Hutt to WGN		30002	30027		30002_30027	10572	0	28	0	982	36
2S	Upper Hutt to WGN	Gibbons Street - Moonshine Road (Trentham Exit)	30002	30027	30003	30002_30027_30003	10573	1	29	2461	3443	0
2S	Upper Hutt to WGN		30027	30003		30027_30003	10436	0	29	0	3443	47

Route	Direction	Checkpoint [- next Checkpoint]	Model nodes			ID	Match	empty test	counter	Distance between Checkpoints	Cumulative Distance between Checkpoints	Model Distances between nodes
2S	Upper Hutt to WGN		30027	30003	30026	30027_30003_30026	10435	0	29	0	3443	0
2S	Upper Hutt to WGN		30003	30026		30003_30026	10568	0	29	0	3443	306
2S	Upper Hutt to WGN		30003	30026	30099	30003_30026_30099	10569	0	29	0	3443	0
2S	Upper Hutt to WGN		30026	30099		30026_30099	11062	0	29	0	3443	653
2S	Upper Hutt to WGN		30026	30099	30155	30026_30099_30155	11063	0	29	0	3443	0
2S	Upper Hutt to WGN		30099	30155		30099_30155	11330	0	29	0	3443	379
2S	Upper Hutt to WGN		30099	30155	30040	30099_30155_30040	11332	0	29	0	3443	0
2S	Upper Hutt to WGN		30155	30040		30155_30040	10673	0	29	0	3443	210
2S	Upper Hutt to WGN		30155	30040	30010	30155_30040_30010	10672	0	29	0	3443	0
2S	Upper Hutt to WGN		30040	30010		30040_30010	10470	0	29	0	3443	186
2S	Upper Hutt to WGN		30040	30010	2295	30040_30010_2295	10469	0	29	0	3443	0
2S	Upper Hutt to WGN		30010	2295		30010_2295	5405	0	29	0	3443	95
2S	Upper Hutt to WGN		30010	2295	30093	30010_2295_30093	5404	0	29	0	3443	0
2S	Upper Hutt to WGN		2295	30093		2295_30093	11042	0	29	0	3443	508
2S	Upper Hutt to WGN		2295	30093	30092	2295_30093_30092	11043	0	29	0	3443	0
2S	Upper Hutt to WGN		30093	30092		30093_30092	11038	0	29	0	3443	77
2S	Upper Hutt to WGN	Trentham exit (Moonshine Road) - SH2/Fergusson Dr	30093	30092	30009	30093_30092_30009	11037	1	30	4411	7854	0
2S	Upper Hutt to WGN		30092	30009		30092_30009	10466	0	30	0	7854	243
2S	Upper Hutt to WGN		30092	30009	2294	30092_30009_2294	10465	0	30	0	7854	0
2S	Upper Hutt to WGN		30009	2294		30009_2294	5401	0	30	0	7854	401
2S	Upper Hutt to WGN		30009	2294	30094	30009_2294_30094	5400	0	30	0	7854	0
2S	Upper Hutt to WGN		2294	30094		2294_30094	11046	0	30	0	7854	292
2S	Upper Hutt to WGN		2294	30094	30132	2294_30094_30132	11047	0	30	0	7854	0
2S	Upper Hutt to WGN		30094	30132		30094_30132	11234	0	30	0	7854	1082
2S	Upper Hutt to WGN		30094	30132	30131	30094_30132_30131	11235	0	30	0	7854	0
2S	Upper Hutt to WGN		30132	30131		30132_30131	11231	0	30	0	7854	1257
2S	Upper Hutt to WGN		30132	30131	2293	30132_30131_2293	11230	0	30	0	7854	0
2S	Upper Hutt to WGN		30131	2293		30131_2293	5397	0	30	0	7854	241
2S	Upper Hutt to WGN		30131	2293	30043	30131_2293_30043	5396	0	30	0	7854	0
2S	Upper Hutt to WGN		2293	30043		2293_30043	10695	0	30	0	7854	542
2S	Upper Hutt to WGN		2293	30043	20223	2293_30043_20223	10696	0	30	0	7854	0
2S	Upper Hutt to WGN		30043	20223		30043_20223	8573	0	30	0	7854	294
2S	Upper Hutt to WGN		30043	20223	20222	30043_20223_20222	8572	0	30	0	7854	0
2S	Upper Hutt to WGN		20223	20222		20223_20222	8565	0	30	0	7854	59
2S	Upper Hutt to WGN	Fergusson Dr - SH58	20223	20222	20258	20223_20222_20258	8564	1	31	2645	10499	0
2S	Upper Hutt to WGN		20222	20258		20222_20258	8813	0	31	0	10499	60
2S	Upper Hutt to WGN		20222	20258	20221	20222_20258_20221	8814	0	31	0	10499	0
2S	Upper Hutt to WGN		20258	20221		20258_20221	8560	0	31	0	10499	276
2S	Upper Hutt to WGN		20258	20221	20349	20258_20221_20349	8559	0	31	0	10499	0
2S	Upper Hutt to WGN		20221	20349		20221_20349	9395	0	31	0	10499	1622
2S	Upper Hutt to WGN		20221	20349	3008	20221_20349_3008	9396	0	31	0	10499	0
2S	Upper Hutt to WGN		20349	3008		20349_3008	5460	0	31	0	10499	522

Route	Direction	Checkpoint [- next Checkpoint]	Model nodes			ID	Match	empty test	counter	Distance between Checkpoints	Cumulative Distance between Checkpoints	Model Distances between nodes
2S	Upper Hutt to WGN		20349	3008	20273	20349_3008_20273	5459	0	31	0	10499	0
2S	Upper Hutt to WGN		3008	20273		3008_20273	8918	0	31	0	10499	114
2S	Upper Hutt to WGN		3008	20273	20272	3008_20273_20272	8919	0	31	0	10499	0
2S	Upper Hutt to WGN		20273	20272		20273_20272	8912	0	31	0	10499	51
2S	Upper Hutt to WGN	SH58 - Fairway Drive	20273	20272	20068	20273_20272_20068	8910	1	32	5332	15831	0
2S	Upper Hutt to WGN		20272	20068		20272_20068	7456	0	32	0	15831	92
2S	Upper Hutt to WGN		20272	20068	2100	20272_20068_2100	7455	0	32	0	15831	0
2S	Upper Hutt to WGN		20068	2100		20068_2100	4383	0	32	0	15831	689
2S	Upper Hutt to WGN		20068	2100	3030	20068_2100_3030	4382	0	32	0	15831	0
2S	Upper Hutt to WGN		2100	3030		2100_3030	5559	0	32	0	15831	2968
2S	Upper Hutt to WGN		2100	3030	3010	2100_3030_3010	5560	0	32	0	15831	0
2S	Upper Hutt to WGN		3030	3010		3030_3010	5470	0	32	0	15831	668
2S	Upper Hutt to WGN		3030	3010	20170	3030_3010_20170	5469	0	32	0	15831	0
2S	Upper Hutt to WGN		3010	20170		3010_20170	8236	0	32	0	15831	432
2S	Upper Hutt to WGN		3010	20170		3010_20170	8236	0	32	0	15831	432
2S	Upper Hutt to WGN		3010	20170	20407	3010_20170_20407	8238	0	32	0	15831	0
2S	Upper Hutt to WGN		20170	20407		20170_20407	9728	0	32	0	15831	51
2S	Upper Hutt to WGN	Fairway Drive - Melling Link	20170	20407	20363	20170_20407_20363	9729	1	33	2478	18309	0
2S	Upper Hutt to WGN		20407	20363		20407_20363	9461	0	33	0	18309	42
2S	Upper Hutt to WGN		20407	20363	20245	20407_20363_20245	9460	0	33	0	18309	0
2S	Upper Hutt to WGN		20363	20245		20363_20245	8751	0	33	0	18309	64
2S	Upper Hutt to WGN		20363	20245	1113	20363_20245_1113	8749	0	33	0	18309	0
2S	Upper Hutt to WGN		20245	1113		20245_1113	3372	0	33	0	18309	81
2S	Upper Hutt to WGN		20245	1113	20061	20245_1113_20061	3371	0	33	0	18309	0
2S	Upper Hutt to WGN		1113	20061		1113_20061	7402	0	33	0	18309	132
2S	Upper Hutt to WGN		1113	20061	20150	1113_20061_20150	7403	0	33	0	18309	0
2S	Upper Hutt to WGN		20061	20150		20061_20150	8069	0	33	0	18309	466
2S	Upper Hutt to WGN		20061	20150	2240	20061_20150_2240	8070	0	33	0	18309	0
2S	Upper Hutt to WGN		20150	2240		20150_2240	5210	0	33	0	18309	115
2S	Upper Hutt to WGN		20150	2240	20346	20150_2240_20346	5209	0	33	0	18309	0
2S	Upper Hutt to WGN		2240	20346		2240_20346	9382	0	33	0	18309	32
2S	Upper Hutt to WGN		2240	20346	2239	2240_20346_2239	9383	0	33	0	18309	0
2S	Upper Hutt to WGN		20346	2239		20346_2239	5206	0	33	0	18309	43
2S	Upper Hutt to WGN		20346	2239	20159	20346_2239_20159	5205	0	33	0	18309	0
2S	Upper Hutt to WGN		2239	20159		2239_20159	8141	0	33	0	18309	98
2S	Upper Hutt to WGN		2239	20159	20092	2239_20159_20092	8142	0	33	0	18309	0
2S	Upper Hutt to WGN		20159	20092		20159_20092	7614	0	33	0	18309	365
2S	Upper Hutt to WGN		20159	20092	20093	20159_20092_20093	7613	0	33	0	18309	0
2S	Upper Hutt to WGN		20092	20093		20092_20093	7619	0	33	0	18309	29
2S	Upper Hutt to WGN		20092	20093	20161	20092_20093_20161	7620	0	33	0	18309	0
2S	Upper Hutt to WGN		20093	20161		20093_20161	8152	0	33	0	18309	792
2S	Upper Hutt to WGN		20093	20161	20158	20093_20161_20158	8153	0	33	0	18309	0

Route	Direction	Checkpoint [- next Checkpoint]	Model nodes			ID	Match	empty test	counter	Distance between Checkpoints	Cumulative Distance between Checkpoints	Model Distances between nodes
2S	Upper Hutt to WGN		20161	20158		20161_20158	8132	0	33	0	18309	98
2S	Upper Hutt to WGN		20161	20158	20260	20161_20158_20260	8130	0	33	0	18309	0
2S	Upper Hutt to WGN		20158	20260		20158_20260	8821	0	33	0	18309	52
2S	Upper Hutt to WGN		20158	20260	20328	20158_20260_20328	8823	0	33	0	18309	0
2S	Upper Hutt to WGN		20260	20328		20260_20328	9279	0	33	0	18309	69
2S	Upper Hutt to WGN	Melling Link - Dowse Drive	20260	20328	20189	20260_20328_20189	9280	1	34	2069	20378	0
2S	Upper Hutt to WGN		20328	20189		20328_20189	8365	0	34	0	20378	48
2S	Upper Hutt to WGN		20328	20189	20091	20328_20189_20091	8364	0	34	0	20378	0
2S	Upper Hutt to WGN		20189	20091		20189_20091	7610	0	34	0	20378	188
2S	Upper Hutt to WGN		20189	20091	20190	20189_20091_20190	7609	0	34	0	20378	0
2S	Upper Hutt to WGN		20091	20190		20091_20190	8368	0	34	0	20378	987
2S	Upper Hutt to WGN		20091	20190	20379	20091_20190_20379	8369	0	34	0	20378	0
2S	Upper Hutt to WGN		20190	20379		20190_20379	9561	0	34	0	20378	442
2S	Upper Hutt to WGN		20190	20379	2292	20190_20379_2292	9562	0	34	0	20378	0
2S	Upper Hutt to WGN		20379	2292		20379_2292	5395	0	34	0	20378	287
2S	Upper Hutt to WGN		20379	2292	20090	20379_2292_20090	5394	0	34	0	20378	0
2S	Upper Hutt to WGN		2292	20090		2292_20090	7602	0	34	0	20378	117
2S	Upper Hutt to WGN	Dowse Drive - Korokoro Road	2292	20090	20400	2292_20090_20400	7604	1	35	1348	21726	0
2S	Upper Hutt to WGN		20090	20400		20090_20400	9685	0	35	0	21726	662
2S	Upper Hutt to WGN		20090	20400	2291	20090_20400_2291	9686	0	35	0	21726	0
2S	Upper Hutt to WGN		20400	2291		20400_2291	5391	0	35	0	21726	166
2S	Upper Hutt to WGN		20400	2291	20082	20400_2291_20082	5390	0	35	0	21726	0
2S	Upper Hutt to WGN		2291	20082		2291_20082	7541	0	35	0	21726	520
2S	Upper Hutt to WGN	Korokoro Road - Petone SBD on ramp	2291	20082	20308	2291_20082_20308	7542	1	36	1380	23106	0
2S	Upper Hutt to WGN		20082	20308		20082_20308	9133	0	36	0	23106	566
2S	Upper Hutt to WGN		20082	20308	20198	20082_20308_20198	9134	0	36	0	23106	0
2S	Upper Hutt to WGN		20308	20198		20308_20198	8425	0	36	0	23106	357
2S	Upper Hutt to WGN		20308	20198	20197	20308_20198_20197	8424	0	36	0	23106	0
2S	Upper Hutt to WGN		20198	20197		20198_20197	8419	0	36	0	23106	275
2S	Upper Hutt to WGN		20198	20197	20181	20198_20197_20181	8418	0	36	0	23106	0
2S	Upper Hutt to WGN		20197	20181		20197_20181	8321	0	36	0	23106	182
2S	Upper Hutt to WGN		20197	20181	2290	20197_20181_2290	8320	0	36	0	23106	0
2S	Upper Hutt to WGN	Petone SBD on ramp - Ngauranga Gorge SBD Off ramp	20181	2290		20181_2290	5387	1	37	4145	27251	161
2S	Upper Hutt to WGN		20181	2290	2111	20181_2290_2111	5386	0	37	0	27251	0
2S	Upper Hutt to WGN		2290	2111		2290_2111	4421	0	37	0	27251	414
2S	Upper Hutt to WGN		2290	2111	10429	2290_2111_10429	4420	0	37	0	27251	0
2S	Upper Hutt to WGN		2111	10429		2111_10429	6024	0	37	0	27251	3570
2S	Upper Hutt to WGN	Ngauranga Gorge SBD Off ramp - Hutt Rd / Onslow Rd	2111	10429	10430	2111_10429_10430	6025	1	38	507	27758	0
2S	Upper Hutt to WGN		10429	10430		10429_10430	6027	0	38	0	27758	408
2S	Upper Hutt to WGN		10429	10430	10674	10429_10430_10674	6028	0	38	0	27758	0
2S	Upper Hutt to WGN		10430	10674		10430_10674	6497	0	38	0	27758	99
2S	Upper Hutt to WGN		10430	10674	10450	10430_10674_10450	6498	0	38	0	27758	0

Route	Direction	Checkpoint [- next Checkpoint]	Model nodes			ID	Match	empty test	counter	Distance between Checkpoints	Cumulative Distance between Checkpoints	Model Distances between nodes
2S	Upper Hutt to WGN	END (onslow road)	10674	10450		10674_10450	6069	1	39	1138	28896	1138
2N	WGN to Upper Hutt	Hutt Rd / Onslow Rd - Ngauranga Gorge SBD Off ramp	10746	10201		10746_10201	5742	1	40	1719	1719	375
2N	WGN to Upper Hutt		10746	10201	2200	10746_10201_2200	5741	0	40	0	1719	0
2N	WGN to Upper Hutt		10201	2200		10201_2200	5054	0	40	0	1719	636
2N	WGN to Upper Hutt		10201	2200	10674	10201_2200_10674	5053	0	40	0	1719	0
2N	WGN to Upper Hutt		2200	10674		2200_10674	6499	0	40	0	1719	277
2N	WGN to Upper Hutt		2200	10674	10526	2200_10674_10526	6500	0	40	0	1719	0
2N	WGN to Upper Hutt		10674	10526		10674_10526	6236	0	40	0	1719	70
2N	WGN to Upper Hutt		10674	10526	10377	10674_10526_10377	6235	0	40	0	1719	0
2N	WGN to Upper Hutt		10526	10377		10526_10377	5965	0	40	0	1719	101
2N	WGN to Upper Hutt		10526	10377	10378	10526_10377_10378	5964	0	40	0	1719	0
2N	WGN to Upper Hutt		10377	10378		10377_10378	5966	0	40	0	1719	260
2N	WGN to Upper Hutt	Ngauranga Gorge SBD Off ramp - Petone SBD on ramp	10377	10378	10517	10377_10378_10517	5967	1	41	4790	6509	0
2N	WGN to Upper Hutt		10742	10517		10742_10517	6200	0	41	0	6509	1202
2N	WGN to Upper Hutt		10742	10517	2289	10742_10517_2289	6199	0	41	0	6509	0
2N	WGN to Upper Hutt		10517	2289		10517_2289	5383	0	41	0	6509	127
2N	WGN to Upper Hutt		10517	2289	2111	10517_2289_2111	5382	0	41	0	6509	0
2N	WGN to Upper Hutt		2289	2111		2289_2111	4424	0	41	0	6509	2886
2N	WGN to Upper Hutt		2289	2111	2290	2289_2111_2290	4423	0	41	0	6509	0
2N	WGN to Upper Hutt		2111	2290		2111_2290	5384	0	41	0	6509	414
2N	WGN to Upper Hutt		2111	2290	20181	2111_2290_20181	5385	0	41	0	6509	0
2N	WGN to Upper Hutt		2290	20181		2290_20181	8324	0	41	0	6509	161
2N	WGN to Upper Hutt	Petone SBD on ramp - Korokoro Road	2290	20181	20197	2290_20181_20197	8326	1	42	1380	7889	0
2N	WGN to Upper Hutt		20181	20197		20181_20197	8420	0	42	0	7889	182
2N	WGN to Upper Hutt		20181	20197	20198	20181_20197_20198	8421	0	42	0	7889	0
2N	WGN to Upper Hutt		20197	20198		20197_20198	8422	0	42	0	7889	275
2N	WGN to Upper Hutt		20197	20198	20308	20197_20198_20308	8423	0	42	0	7889	0
2N	WGN to Upper Hutt		20198	20308		20198_20308	9135	0	42	0	7889	357
2N	WGN to Upper Hutt		20198	20308	20082	20198_20308_20082	9137	0	42	0	7889	0
2N	WGN to Upper Hutt		20308	20082		20308_20082	7544	0	42	0	7889	566
2N	WGN to Upper Hutt	Korokoro Road - Dowse Drive	20308	20082	2291	20308_20082_2291	7543	1	43	686	8575	0
2N	WGN to Upper Hutt		20082	2291		20082_2291	5389	0	43	0	8575	520
2N	WGN to Upper Hutt		20082	2291	20400	20082_2291_20400	5388	0	43	0	8575	0
2N	WGN to Upper Hutt		2291	20400		2291_20400	9689	0	43	0	8575	166
2N	WGN to Upper Hutt	Dowse Drive - Melling Link	2291	20400	20090	2291_20400_20090	9691	1	44	2731	11306	0
2N	WGN to Upper Hutt		20400	20090		20400_20090	7606	0	44	0	11306	662
2N	WGN to Upper Hutt		20400	20090	2292	20400_20090_2292	7605	0	44	0	11306	0
2N	WGN to Upper Hutt		20090	2292		20090_2292	5393	0	44	0	11306	117
2N	WGN to Upper Hutt		20090	2292	20379	20090_2292_20379	5392	0	44	0	11306	0
2N	WGN to Upper Hutt		2292	20379		2292_20379	9563	0	44	0	11306	287
2N	WGN to Upper Hutt		2292	20379	20190	2292_20379_20190	9564	0	44	0	11306	0
2N	WGN to Upper Hutt		20379	20190		20379_20190	8371	0	44	0	11306	442

Route	Direction	Checkpoint [- next Checkpoint]	Model nodes			ID	Match	empty test	counter	Distance between Checkpoints	Cumulative Distance between Checkpoints	Model Distances between nodes
2N	WGN to Upper Hutt		20379	20190	20091	20379_20190_20091	8370	0	44	0	11306	0
2N	WGN to Upper Hutt		20190	20091		20190_20091	7612	0	44	0	11306	987
2N	WGN to Upper Hutt		20190	20091	20189	20190_20091_20189	7611	0	44	0	11306	0
2N	WGN to Upper Hutt		20091	20189		20091_20189	8366	0	44	0	11306	188
2N	WGN to Upper Hutt		20091	20189	20328	20091_20189_20328	8367	0	44	0	11306	0
2N	WGN to Upper Hutt		20189	20328		20189_20328	9286	0	44	0	11306	48
2N	WGN to Upper Hutt	Melling Link - Fairway Drive	20189	20328	20260	20189_20328_20260	9288	1	45	2478	13784	0
2N	WGN to Upper Hutt		20328	20260		20328_20260	8825	0	45	0	13784	69
2N	WGN to Upper Hutt		20328	20260	20158	20328_20260_20158	8824	0	45	0	13784	0
2N	WGN to Upper Hutt		20260	20158		20260_20158	8140	0	45	0	13784	52
2N	WGN to Upper Hutt		20260	20158	20161	20260_20158_20161	8138	0	45	0	13784	0
2N	WGN to Upper Hutt		20158	20161		20158_20161	8154	0	45	0	13784	98
2N	WGN to Upper Hutt		20158	20161	20093	20158_20161_20093	8155	0	45	0	13784	0
2N	WGN to Upper Hutt		20161	20093		20161_20093	7623	0	45	0	13784	792
2N	WGN to Upper Hutt		20161	20093	20092	20161_20093_20092	7622	0	45	0	13784	0
2N	WGN to Upper Hutt		20093	20092		20093_20092	7616	0	45	0	13784	29
2N	WGN to Upper Hutt		20093	20092	20159	20093_20092_20159	7615	0	45	0	13784	0
2N	WGN to Upper Hutt		20092	20159		20092_20159	8143	0	45	0	13784	365
2N	WGN to Upper Hutt		20092	20159	2239	20092_20159_2239	8145	0	45	0	13784	0
2N	WGN to Upper Hutt		20159	2239		20159_2239	5208	0	45	0	13784	98
2N	WGN to Upper Hutt		20159	2239	20346	20159_2239_20346	5207	0	45	0	13784	0
2N	WGN to Upper Hutt		2239	20346		2239_20346	9385	0	45	0	13784	43
2N	WGN to Upper Hutt		2239	20346	2240	2239_20346_2240	9386	0	45	0	13784	0
2N	WGN to Upper Hutt		20346	2240		20346_2240	5212	0	45	0	13784	32
2N	WGN to Upper Hutt		20346	2240	20150	20346_2240_20150	5211	0	45	0	13784	0
2N	WGN to Upper Hutt		2240	20150		2240_20150	8071	0	45	0	13784	115
2N	WGN to Upper Hutt		2240	20150	20061	2240_20150_20061	8072	0	45	0	13784	0
2N	WGN to Upper Hutt		20150	20061		20150_20061	7405	0	45	0	13784	466
2N	WGN to Upper Hutt		20150	20061	1113	20150_20061_1113	7404	0	45	0	13784	0
2N	WGN to Upper Hutt		20061	1113		20061_1113	3375	0	45	0	13784	132
2N	WGN to Upper Hutt		20061	1113	20245	20061_1113_20245	3374	0	45	0	13784	0
2N	WGN to Upper Hutt		1113	20245		1113_20245	8752	0	45	0	13784	81
2N	WGN to Upper Hutt		1113	20245	20363	1113_20245_20363	8753	0	45	0	13784	0
2N	WGN to Upper Hutt		20245	20363		20245_20363	9462	0	45	0	13784	64
2N	WGN to Upper Hutt		20245	20363	20407	20245_20363_20407	9463	0	45	0	13784	0
2N	WGN to Upper Hutt		20363	20407		20363_20407	9733	0	45	0	13784	42
2N	WGN to Upper Hutt	Fairway Drive - SH58	20363	20407	20170	20363_20407_20170	9734	1	46	4951	18735	0
2N	WGN to Upper Hutt		20407	20170		20407_20170	8240	0	46	0	18735	51
2N	WGN to Upper Hutt		20407	20170	3010	20407_20170_3010	8239	0	46	0	18735	0
2N	WGN to Upper Hutt		20170	3010		20170_3010	5467	0	46	0	18735	432
2N	WGN to Upper Hutt		20170	3010	3030	20170_3010_3030	5465	0	46	0	18735	0
2N	WGN to Upper Hutt		3010	3030		3010_3030	5561	0	46	0	18735	668

Route	Direction	Checkpoint [- next Checkpoint]	Model nodes			ID	Match	empty test	counter	Distance between Checkpoints	Cumulative Distance between Checkpoints	Model Distances between nodes
2N	WGN to Upper Hutt		3010	3030	2100	3010_3030_2100	5563	0	46	0	18735	0
2N	WGN to Upper Hutt		3030	2100		3030_2100	4385	0	46	0	18735	2968
2N	WGN to Upper Hutt		3030	2100	20068	3030_2100_20068	4384	0	46	0	18735	0
2N	WGN to Upper Hutt		2100	20068		2100_20068	7457	0	46	0	18735	689
2N	WGN to Upper Hutt		2100	20068	20272	2100_20068_20272	7458	0	46	0	18735	0
2N	WGN to Upper Hutt		20068	20272		20068_20272	8913	0	46	0	18735	92
2N	WGN to Upper Hutt		20068	20272	20273	20068_20272_20273	8915	0	46	0	18735	0
2N	WGN to Upper Hutt		20272	20273		20272_20273	8920	0	46	0	18735	51
2N	WGN to Upper Hutt	SH58 - Fergusson Dr	20272	20273	3008	20272_20273_3008	8921	1	47	2590	21325	0
2N	WGN to Upper Hutt		20273	3008		20273_3008	5457	0	47	0	21325	114
2N	WGN to Upper Hutt		20273	3008	20349	20273_3008_20349	5455	0	47	0	21325	0
2N	WGN to Upper Hutt		3008	20349		3008_20349	9397	0	47	0	21325	522
2N	WGN to Upper Hutt		3008	20349	20221	3008_20349_20221	9398	0	47	0	21325	0
2N	WGN to Upper Hutt		20349	20221		20349_20221	8563	0	47	0	21325	1622
2N	WGN to Upper Hutt		20349	20221	20380	20349_20221_20380	8561	0	47	0	21325	0
2N	WGN to Upper Hutt		20221	20380		20221_20380	9565	0	47	0	21325	332
2N	WGN to Upper Hutt	Fergusson Dr - Trentham exit (Moonshine Road)	20221	20380	30043	20221_20380_30043	9566	1	48	4406	25731	0
2N	WGN to Upper Hutt		20380	30043		20380_30043	10693	0	48	0	25731	348
2N	WGN to Upper Hutt		20380	30043	2293	20380_30043_2293	10694	0	48	0	25731	0
2N	WGN to Upper Hutt		30043	2293		30043_2293	5399	0	48	0	25731	542
2N	WGN to Upper Hutt		30043	2293	30131	30043_2293_30131	5398	0	48	0	25731	0
2N	WGN to Upper Hutt		2293	30131		2293_30131	11232	0	48	0	25731	241
2N	WGN to Upper Hutt		2293	30131	30132	2293_30131_30132	11233	0	48	0	25731	0
2N	WGN to Upper Hutt		30131	30132		30131_30132	11236	0	48	0	25731	1257
2N	WGN to Upper Hutt		30131	30132	30094	30131_30132_30094	11237	0	48	0	25731	0
2N	WGN to Upper Hutt		30132	30094		30132_30094	11049	0	48	0	25731	1082
2N	WGN to Upper Hutt		30132	30094	2294	30132_30094_2294	11048	0	48	0	25731	0
2N	WGN to Upper Hutt		30094	2294		30094_2294	5403	0	48	0	25731	292
2N	WGN to Upper Hutt		30094	2294	30009	30094_2294_30009	5402	0	48	0	25731	0
2N	WGN to Upper Hutt		2294	30009		2294_30009	10467	0	48	0	25731	401
2N	WGN to Upper Hutt		2294	30009	30092	2294_30009_30092	10468	0	48	0	25731	0
2N	WGN to Upper Hutt		30009	30092		30009_30092	11033	0	48	0	25731	243
2N	WGN to Upper Hutt	Moonshine Road (Trentham Exit) - Gibbons Street	30009	30092	30093	30009_30092_30093	11034	1	49	2466	28197	0
2N	WGN to Upper Hutt		30092	30093		30092_30093	11044	0	49	0	28197	77
2N	WGN to Upper Hutt		30092	30093	2295	30092_30093_2295	11045	0	49	0	28197	0
2N	WGN to Upper Hutt		30093	2295		30093_2295	5407	0	49	0	28197	508
2N	WGN to Upper Hutt		30093	2295	30010	30093_2295_30010	5406	0	49	0	28197	0
2N	WGN to Upper Hutt		2295	30010		2295_30010	10473	0	49	0	28197	95
2N	WGN to Upper Hutt		2295	30010	30181	2295_30010_30181	10474	0	49	0	28197	0
2N	WGN to Upper Hutt		30010	30181		30010_30181	11439	0	49	0	28197	187
2N	WGN to Upper Hutt		30010	30181	30155	30010_30181_30155	11440	0	49	0	28197	0
2N	WGN to Upper Hutt		30181	30155		30181_30155	11336	0	49	0	28197	214

Route	Direction	Checkpoint [- next Checkpoint]	Model nodes			ID	Match	empty test	counter	Distance between Checkpoints	Cumulative Distance between Checkpoints	Model Distances between nodes
2N	WGN to Upper Hutt		30181	30155	30099	30181_30155_30099	11335	0	49	0	28197	0
2N	WGN to Upper Hutt		30155	30099		30155_30099	11065	0	49	0	28197	379
2N	WGN to Upper Hutt		30155	30099	30026	30155_30099_30026	11064	0	49	0	28197	0
2N	WGN to Upper Hutt		30099	30026		30099_30026	10567	0	49	0	28197	653
2N	WGN to Upper Hutt		30099	30026	30003	30099_30026_30003	10566	0	49	0	28197	0
2N	WGN to Upper Hutt		30026	30003		30026_30003	10434	0	49	0	28197	306
2N	WGN to Upper Hutt		30026	30003	30027	30026_30003_30027	10433	0	49	0	28197	0
2N	WGN to Upper Hutt		30003	30027		30003_30027	10575	0	49	0	28197	47
2N	WGN to Upper Hutt	Gibbons Street - Main Street / Gibbons Street	30003	30027	30002	30003_30027_30002	10576	1	50	982	29179	0
2N	WGN to Upper Hutt		30027	30002		30027_30002	10428	0	50	0	29179	36
2N	WGN to Upper Hutt		30027	30002	30030	30027_30002_30030	10427	0	50	0	29179	0
2N	WGN to Upper Hutt		30002	30030		30002_30030	10590	0	50	0	29179	76
2N	WGN to Upper Hutt		30002	30030	30076	30002_30030_30076	10592	0	50	0	29179	0
2N	WGN to Upper Hutt		30030	30076		30030_30076	10903	0	50	0	29179	473
2N	WGN to Upper Hutt		30030	30076	30091	30030_30076_30091	10905	0	50	0	29179	0
2N	WGN to Upper Hutt		30076	30091		30076_30091	11021	0	50	0	29179	397
2N	WGN to Upper Hutt	Main Street / Gibbons Street - Upper Hutt Railway Station	30076	30091	30063	30076_30091_30063	11023	1	51	48	29227	0
2N	WGN to Upper Hutt		30091	30063		30091_30063	10804	0	51	0	29227	48
6N	Wainuiomata to SH2	START	20409	20099		20409_20099	7684	1	52	40	40	40
6N	Wainuiomata to SH2	Wainuiomata Rd / Parkway RAB - Gracefield Rd / Wainuiomata Rd	20409	20099	20213	20409_20099_20213	7683	1	53	2793	2833	0
6N	Wainuiomata to SH2		20099	20213		20099_20213	8507	0	53	0	2833	1150
6N	Wainuiomata to SH2		20099	20213	20194	20099_20213_20194	8508	0	53	0	2833	0
6N	Wainuiomata to SH2		20213	20194		20213_20194	8408	0	53	0	2833	317
6N	Wainuiomata to SH2		20213	20194	20151	20213_20194_20151	8407	0	53	0	2833	0
6N	Wainuiomata to SH2		20194	20151		20194_20151	8076	0	53	0	2833	413
6N	Wainuiomata to SH2		20194	20151	20174	20194_20151_20174	8075	0	53	0	2833	0
6N	Wainuiomata to SH2		20151	20174		20151_20174	8262	0	53	0	2833	913
6N	Wainuiomata to SH2	Gracefield Rd / Wainuiomata Rd - Parkside Rd / Bell Rd	20151	20174	20084	20151_20174_20084	8263	1	54	1098	3931	0
6N	Wainuiomata to SH2		20174	20084		20174_20084	7555	0	54	0	3931	359
6N	Wainuiomata to SH2		20174	20084	20112	20174_20084_20112	7554	0	54	0	3931	0
6N	Wainuiomata to SH2		20084	20112		20084_20112	7788	0	54	0	3931	474
6N	Wainuiomata to SH2		20084	20112	20075	20084_20112_20075	7790	0	54	0	3931	0
6N	Wainuiomata to SH2		20112	20075		20112_20075	7508	0	54	0	3931	265
6N	Wainuiomata to SH2	Parkside Rd / Bell Rd - Waione St / Seaview Rd	20112	20075	1071	20112_20075_1071	7506	1	55	1179	5110	0
6N	Wainuiomata to SH2		20075	1071		20075_1071	3185	0	55	0	5110	48
6N	Wainuiomata to SH2		20075	1071	20473	20075_1071_20473	3184	0	55	0	5110	0
6N	Wainuiomata to SH2		1071	20473		1071_20473	10200	0	55	0	5110	458
6N	Wainuiomata to SH2		1071	20473	20113	1071_20473_20113	10202	0	55	0	5110	0
6N	Wainuiomata to SH2		20473	20113		20473_20113	7801	0	55	0	5110	324
6N	Wainuiomata to SH2		20473	20113	20247	20473_20113_20247	7799	0	55	0	5110	0
6N	Wainuiomata to SH2		20113	20247		20113_20247	8761	0	55	0	5110	39
6N	Wainuiomata to SH2		20113	20247	20370	20113_20247_20370	8763	0	55	0	5110	0

Route	Direction	Checkpoint [- next Checkpoint]	Model nodes			ID	Match	empty test	counter	Distance between Checkpoints	Cumulative Distance between Checkpoints	Model Distances between nodes
6N	Wainuiomata to SH2		20247	20370		20247_20370	9509	0	55	0	5110	240
6N	Wainuiomata to SH2		20247	20370	20140	20247_20370_20140	9510	0	55	0	5110	0
6N	Wainuiomata to SH2		20370	20140		20370_20140	7999	0	55	0	5110	70
6N	Wainuiomata to SH2	Waione St / Seaview Rd - Hutt Rd / The Esplanade RAB	20370	20140	20278	20370_20140_20278	7996	1	56	3678	8788	0
6N	Wainuiomata to SH2		20140	20278		20140_20278	8946	0	56	0	8788	133
6N	Wainuiomata to SH2		20140	20278	20049	20140_20278_20049	8947	0	56	0	8788	0
6N	Wainuiomata to SH2		20278	20049		20278_20049	7345	0	56	0	8788	586
6N	Wainuiomata to SH2		20278	20049	2185	20278_20049_2185	7343	0	56	0	8788	0
6N	Wainuiomata to SH2		20049	2185		20049_2185	4953	0	56	0	8788	253
6N	Wainuiomata to SH2		20049	2185	2187	20049_2185_2187	4951	0	56	0	8788	0
6N	Wainuiomata to SH2		2185	2187		2185_2187	4968	0	56	0	8788	239
6N	Wainuiomata to SH2		2185	2187	2186	2185_2187_2186	4969	0	56	0	8788	0
6N	Wainuiomata to SH2		2187	2186		2187_2186	4965	0	56	0	8788	59
6N	Wainuiomata to SH2		2187	2186	20264	2187_2186_20264	4963	0	56	0	8788	0
6N	Wainuiomata to SH2		2186	20264		2186_20264	8859	0	56	0	8788	40
6N	Wainuiomata to SH2		2186	20264	2190	2186_20264_2190	8860	0	56	0	8788	0
6N	Wainuiomata to SH2		20264	2190		20264_2190	4990	0	56	0	8788	168
6N	Wainuiomata to SH2		20264	2190	20391	20264_2190_20391	4989	0	56	0	8788	0
6N	Wainuiomata to SH2		2190	20391		2190_20391	9643	0	56	0	8788	75
6N	Wainuiomata to SH2		2190	20391	2202	2190_20391_2202	9644	0	56	0	8788	0
6N	Wainuiomata to SH2		20391	2202		20391_2202	5062	0	56	0	8788	203
6N	Wainuiomata to SH2		20391	2202	20081	20391_2202_20081	5061	0	56	0	8788	0
6N	Wainuiomata to SH2		2202	20081		2202_20081	7538	0	56	0	8788	41
6N	Wainuiomata to SH2		2202	20081	2203	2202_20081_2203	7539	0	56	0	8788	0
6N	Wainuiomata to SH2		20081	2203		20081_2203	5066	0	56	0	8788	41
6N	Wainuiomata to SH2		20081	2203	2192	20081_2203_2192	5065	0	56	0	8788	0
6N	Wainuiomata to SH2		2203	2192		2203_2192	5006	0	56	0	8788	155
6N	Wainuiomata to SH2		2203	2192	20040	2203_2192_20040	5005	0	56	0	8788	0
6N	Wainuiomata to SH2		2192	20040		2192_20040	7249	0	56	0	8788	90
6N	Wainuiomata to SH2		2192	20040	2194	2192_20040_2194	7250	0	56	0	8788	0
6N	Wainuiomata to SH2		20040	2194		20040_2194	5022	0	56	0	8788	88
6N	Wainuiomata to SH2		20040	2194	20039	20040_2194_20039	5021	0	56	0	8788	0
6N	Wainuiomata to SH2		2194	20039		2194_20039	7240	0	56	0	8788	466
6N	Wainuiomata to SH2		2194	20039	20031	2194_20039_20031	7241	0	56	0	8788	0
6N	Wainuiomata to SH2		20039	20031		20039_20031	7162	0	56	0	8788	74
6N	Wainuiomata to SH2		20039	20031	20118	20039_20031_20118	7160	0	56	0	8788	0
6N	Wainuiomata to SH2		20031	20118		20031_20118	7848	0	56	0	8788	73
6N	Wainuiomata to SH2		20031	20118	2195	20031_20118_2195	7849	0	56	0	8788	0
6N	Wainuiomata to SH2		20118	2195		20118_2195	5031	0	56	0	8788	392
6N	Wainuiomata to SH2		20118	2195	2196	20118_2195_2196	5029	0	56	0	8788	0
6N	Wainuiomata to SH2		2195	2196		2195_2196	5037	0	56	0	8788	113
6N	Wainuiomata to SH2		2195	2196	3022	2195_2196_3022	5038	0	56	0	8788	0

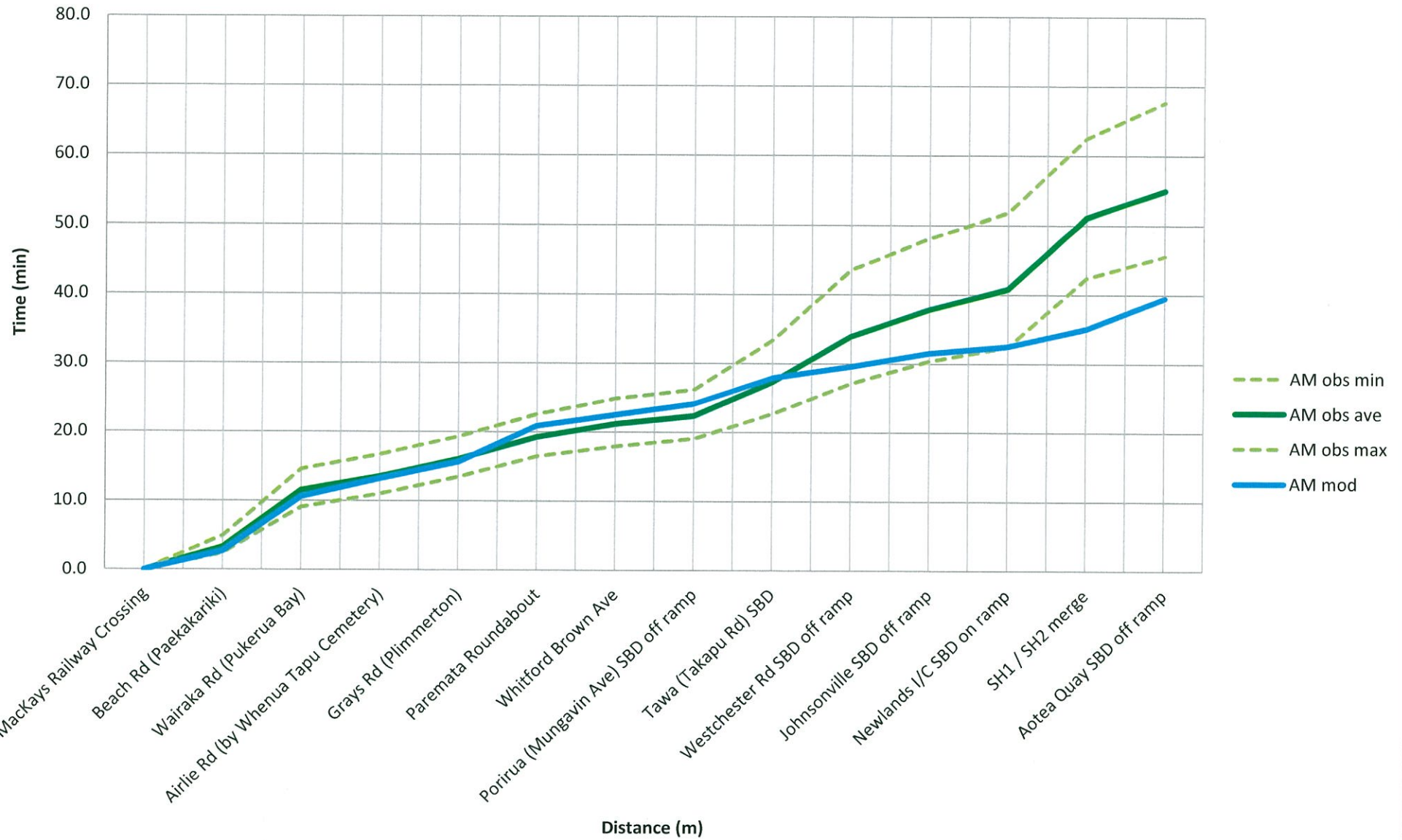
Route	Direction	Checkpoint [- next Checkpoint]	Model nodes			ID	Match	empty test	counter	Distance between Checkpoints	Cumulative Distance between Checkpoints	Model Distances between nodes
6N	Wainuiomata to SH2		2196	3022		2196_3022	5521	0	56	0	8788	159
6N	Wainuiomata to SH2		2196	3022	20318	2196_3022_20318	5522	0	56	0	8788	0
6N	Wainuiomata to SH2		3022	20318		3022_20318	9225	0	56	0	8788	113
6N	Wainuiomata to SH2		3022	20318	20117	3022_20318_20117	9226	0	56	0	8788	0
6N	Wainuiomata to SH2		20318	20117		20318_20117	7841	0	56	0	8788	63
6N	Wainuiomata to SH2		20318	20117	20337	20318_20117_20337	7840	0	56	0	8788	0
6N	Wainuiomata to SH2		20117	20337		20117_20337	9343	0	56	0	8788	54
6N	Wainuiomata to SH2	Hutt Rd / The Esplanade RAB - Dowse Drive	20117	20337	20030	20117_20337_20030	9344	1	57	2087	10875	0
6N	Wainuiomata to SH2		20337	20030		20337_20030	7151	0	57	0	10875	83
6N	Wainuiomata to SH2		20337	20030	20153	20337_20030_20153	7150	0	57	0	10875	0
6N	Wainuiomata to SH2		20030	20153		20030_20153	8087	0	57	0	10875	407
6N	Wainuiomata to SH2		20030	20153	20110	20030_20153_20110	8088	0	57	0	10875	0
6N	Wainuiomata to SH2		20153	20110		20153_20110	7775	0	57	0	10875	156
6N	Wainuiomata to SH2		20153	20110	1080	20153_20110_1080	7772	0	57	0	10875	0
6N	Wainuiomata to SH2		20110	1080		20110_1080	3220	0	57	0	10875	13
6N	Wainuiomata to SH2		20110	1080	20111	20110_1080_20111	3219	0	57	0	10875	0
6N	Wainuiomata to SH2		1080	20111		1080_20111	7782	0	57	0	10875	264
6N	Wainuiomata to SH2		1080	20111	20263	1080_20111_20263	7784	0	57	0	10875	0
6N	Wainuiomata to SH2		20111	20263		20111_20263	8850	0	57	0	10875	83
6N	Wainuiomata to SH2		20111	20263	20219	20111_20263_20219	8851	0	57	0	10875	0
6N	Wainuiomata to SH2		20263	20219		20263_20219	8549	0	57	0	10875	210
6N	Wainuiomata to SH2		20263	20219	1220	20263_20219_1220	8548	0	57	0	10875	0
6N	Wainuiomata to SH2		20219	1220		20219_1220	3605	0	57	0	10875	119
6N	Wainuiomata to SH2		20219	1220	20220	20219_1220_20220	3604	0	57	0	10875	0
6N	Wainuiomata to SH2		1220	20220		1220_20220	8556	0	57	0	10875	94
6N	Wainuiomata to SH2		1220	20220	20452	1220_20220_20452	8557	0	57	0	10875	0
6N	Wainuiomata to SH2		20220	20452		20220_20452	10062	0	57	0	10875	473
6N	Wainuiomata to SH2		20220	20452	20338	20220_20452_20338	10063	0	57	0	10875	0
6N	Wainuiomata to SH2		20452	20338		20452_20338	9348	0	57	0	10875	147
6N	Wainuiomata to SH2		20452	20338	20071	20452_20338_20071	9347	0	57	0	10875	0
6N	Wainuiomata to SH2		20338	20071		20338_20071	7479	0	57	0	10875	38
6N	Wainuiomata to SH2	END	20338	20071	20073	20338_20071_20073	7478	1	58	114	10989	0
6N	Wainuiomata to SH2		20071	20073		20071_20073	7490	0	58	0	10989	57
6S	SH2 to Wainuiomata		20073	20071		20073_20071	7475	0	58	0	0	57
6S	SH2 to Wainuiomata	Dowse Drive - Hutt Rd / The Esplanade RAB	20073	20071	20338	20073_20071_20338	7474	1	59	2087	2087	0
6S	SH2 to Wainuiomata		20071	20338		20071_20338	9345	0	59	0	2087	38
6S	SH2 to Wainuiomata		20071	20338	20452	20071_20338_20452	9346	0	59	0	2087	0
6S	SH2 to Wainuiomata		20338	20452		20338_20452	10056	0	59	0	2087	147
6S	SH2 to Wainuiomata		20338	20452	20220	20338_20452_20220	10058	0	59	0	2087	0
6S	SH2 to Wainuiomata		20452	20220		20452_20220	8552	0	59	0	2087	473
6S	SH2 to Wainuiomata		20452	20220	1220	20452_20220_1220	8551	0	59	0	2087	0
6S	SH2 to Wainuiomata		20220	1220		20220_1220	3603	0	59	0	2087	94

Route	Direction	Checkpoint [- next Checkpoint]	Model nodes			ID	Match	empty test	counter	Distance between Checkpoints	Cumulative Distance between Checkpoints	Model Distances between nodes
6S	SH2 to Wainuiomata		20220	1220	20219	20220_1220_20219	3602	0	59	0	2087	0
6S	SH2 to Wainuiomata		1220	20219		1220_20219	8543	0	59	0	2087	119
6S	SH2 to Wainuiomata		1220	20219	20263	1220_20219_20263	8544	0	59	0	2087	0
6S	SH2 to Wainuiomata		20219	20263		20219_20263	8844	0	59	0	2087	210
6S	SH2 to Wainuiomata		20219	20263	20111	20219_20263_20111	8846	0	59	0	2087	0
6S	SH2 to Wainuiomata		20263	20111		20263_20111	7781	0	59	0	2087	83
6S	SH2 to Wainuiomata		20263	20111	1080	20263_20111_1080	7779	0	59	0	2087	0
6S	SH2 to Wainuiomata		20111	1080		20111_1080	3218	0	59	0	2087	264
6S	SH2 to Wainuiomata		20111	1080	20110	20111_1080_20110	3217	0	59	0	2087	0
6S	SH2 to Wainuiomata		1080	20110		1080_20110	7764	0	59	0	2087	13
6S	SH2 to Wainuiomata		1080	20110	20153	1080_20110_20153	7766	0	59	0	2087	0
6S	SH2 to Wainuiomata		20110	20153		20110_20153	8081	0	59	0	2087	156
6S	SH2 to Wainuiomata		20110	20153	20030	20110_20153_20030	8083	0	59	0	2087	0
6S	SH2 to Wainuiomata		20153	20030		20153_20030	7149	0	59	0	2087	407
6S	SH2 to Wainuiomata		20153	20030	20337	20153_20030_20337	7148	0	59	0	2087	0
6S	SH2 to Wainuiomata		20030	20337		20030_20337	9341	0	59	0	2087	83
6S	SH2 to Wainuiomata	Hutt Rd / The Esplanade RAB - Waione St / Seaview Rd	20030	20360	20117	20030_20360_20117	9454	1	60	3653	5740	0
6S	SH2 to Wainuiomata		20360	20117		20360_20117	7838	0	60	0	5740	29
6S	SH2 to Wainuiomata		20360	20117	20318	20360_20117_20318	7837	0	60	0	5740	0
6S	SH2 to Wainuiomata		20117	20318		20117_20318	9223	0	60	0	5740	63
6S	SH2 to Wainuiomata		20117	20318	3022	20117_20318_3022	9224	0	60	0	5740	0
6S	SH2 to Wainuiomata		20318	3022		20318_3022	5520	0	60	0	5740	113
6S	SH2 to Wainuiomata		20318	3022	2196	20318_3022_2196	5519	0	60	0	5740	0
6S	SH2 to Wainuiomata		3022	2196		3022_2196	5034	0	60	0	5740	159
6S	SH2 to Wainuiomata		3022	2196	2195	3022_2196_2195	5033	0	60	0	5740	0
6S	SH2 to Wainuiomata		2196	2195		2196_2195	5025	0	60	0	5740	113
6S	SH2 to Wainuiomata		2196	2195	20118	2196_2195_20118	5024	0	60	0	5740	0
6S	SH2 to Wainuiomata		2195	20118		2195_20118	7842	0	60	0	5740	392
6S	SH2 to Wainuiomata		2195	20118	20031	2195_20118_20031	7844	0	60	0	5740	0
6S	SH2 to Wainuiomata		20118	20031		20118_20031	7156	0	60	0	5740	73
6S	SH2 to Wainuiomata		20118	20031	20039	20118_20031_20039	7155	0	60	0	5740	0
6S	SH2 to Wainuiomata		20031	20039		20031_20039	7234	0	60	0	5740	74
6S	SH2 to Wainuiomata		20031	20039	2194	20031_20039_2194	7236	0	60	0	5740	0
6S	SH2 to Wainuiomata		20039	2194		20039_2194	5018	0	60	0	5740	466
6S	SH2 to Wainuiomata		20039	2194	20040	20039_2194_20040	5017	0	60	0	5740	0
6S	SH2 to Wainuiomata		2194	20040		2194_20040	7243	0	60	0	5740	88
6S	SH2 to Wainuiomata		2194	20040	2192	2194_20040_2192	7245	0	60	0	5740	0
6S	SH2 to Wainuiomata		20040	2192		20040_2192	5002	0	60	0	5740	90
6S	SH2 to Wainuiomata		20040	2192	2203	20040_2192_2203	5001	0	60	0	5740	0
6S	SH2 to Wainuiomata		2192	2203		2192_2203	5063	0	60	0	5740	155
6S	SH2 to Wainuiomata		2192	2203	20081	2192_2203_20081	5064	0	60	0	5740	0
6S	SH2 to Wainuiomata		2203	20081		2203_20081	7532	0	60	0	5740	41

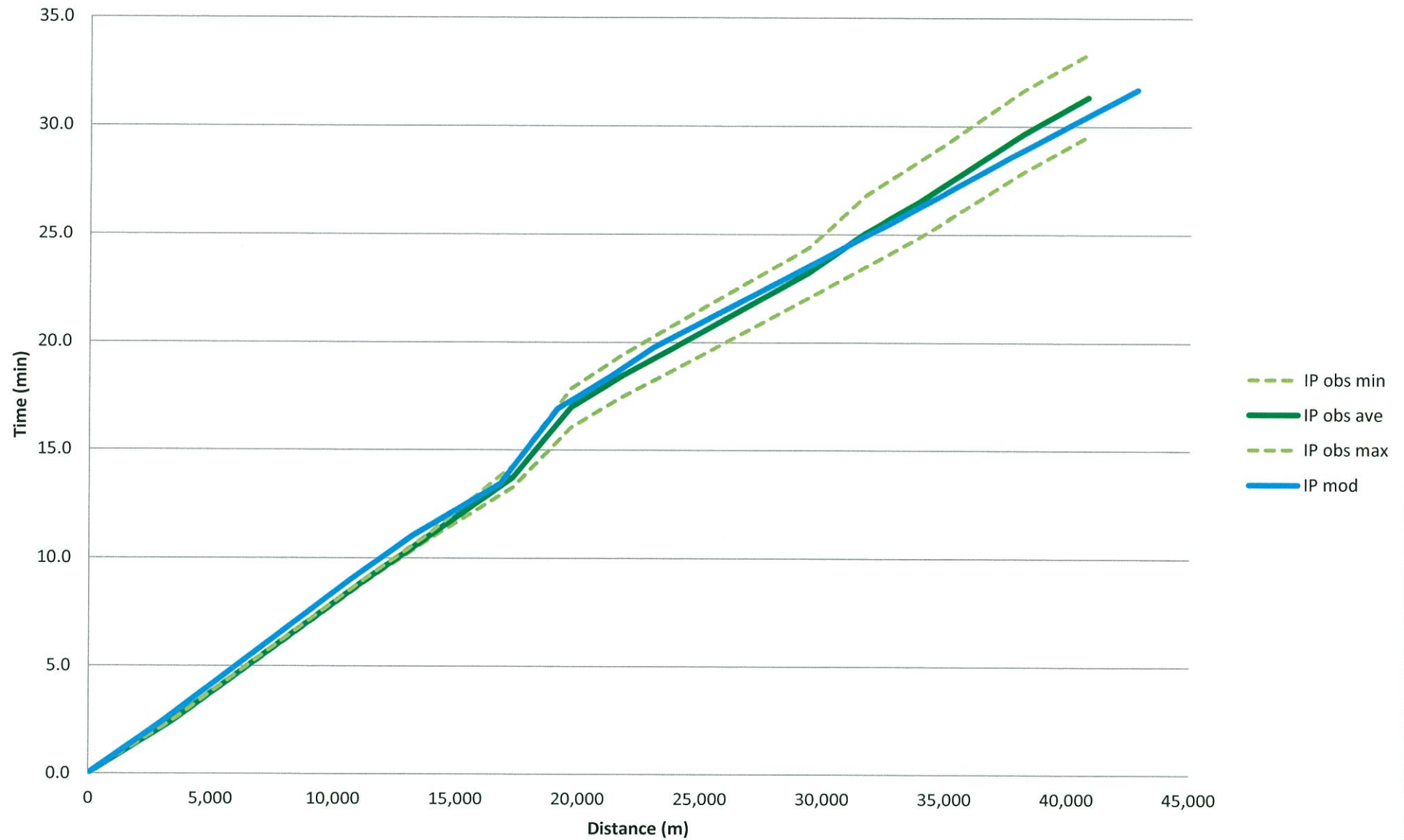
Route	Direction	Checkpoint [- next Checkpoint]	Model nodes			ID	Match	empty test	counter	Distance between Checkpoints	Cumulative Distance between Checkpoints	Model Distances between nodes
6S	SH2 to Wainuiomata		2203	20081	2202	2203_20081_2202	7534	0	60	0	5740	0
6S	SH2 to Wainuiomata		20081	2202		20081_2202	5060	0	60	0	5740	41
6S	SH2 to Wainuiomata		20081	2202	20391	20081_2202_20391	5059	0	60	0	5740	0
6S	SH2 to Wainuiomata		2202	20391		2202_20391	9637	0	60	0	5740	203
6S	SH2 to Wainuiomata		2202	20391	2190	2202_20391_2190	9639	0	60	0	5740	0
6S	SH2 to Wainuiomata		20391	2190		20391_2190	4986	0	60	0	5740	75
6S	SH2 to Wainuiomata		20391	2190	20264	20391_2190_20264	4985	0	60	0	5740	0
6S	SH2 to Wainuiomata		2190	20264		2190_20264	8853	0	60	0	5740	168
6S	SH2 to Wainuiomata		2190	20264	2186	2190_20264_2186	8855	0	60	0	5740	0
6S	SH2 to Wainuiomata		20264	2186		20264_2186	4960	0	60	0	5740	40
6S	SH2 to Wainuiomata		20264	2186	2187	20264_2186_2187	4959	0	60	0	5740	0
6S	SH2 to Wainuiomata		2186	2187		2186_2187	4966	0	60	0	5740	59
6S	SH2 to Wainuiomata		2186	2187	2185	2186_2187_2185	4967	0	60	0	5740	0
6S	SH2 to Wainuiomata		2187	2185		2187_2185	4945	0	60	0	5740	239
6S	SH2 to Wainuiomata		2187	2185	20049	2187_2185_20049	4943	0	60	0	5740	0
6S	SH2 to Wainuiomata		2185	20049		2185_20049	7337	0	60	0	5740	253
6S	SH2 to Wainuiomata		2185	20049	20278	2185_20049_20278	7339	0	60	0	5740	0
6S	SH2 to Wainuiomata		20049	20278		20049_20278	8943	0	60	0	5740	586
6S	SH2 to Wainuiomata		20049	20278	20140	20049_20278_20140	8945	0	60	0	5740	0
6S	SH2 to Wainuiomata		20278	20140		20278_20140	7989	0	60	0	5740	133
6S	SH2 to Wainuiomata	Waione St / Seaview Rd - Parkside Rd / Bell Rd	20278	20140	20370	20278_20140_20370	7986	1	61	1179	6919	0
6S	SH2 to Wainuiomata		20140	20370		20140_20370	9507	0	61	0	6919	70
6S	SH2 to Wainuiomata		20140	20370	20247	20140_20370_20247	9508	0	61	0	6919	0
6S	SH2 to Wainuiomata		20370	20247		20370_20247	8760	0	61	0	6919	240
6S	SH2 to Wainuiomata		20370	20247	20113	20370_20247_20113	8758	0	61	0	6919	0
6S	SH2 to Wainuiomata		20247	20113		20247_20113	7797	0	61	0	6919	39
6S	SH2 to Wainuiomata		20247	20113	20473	20247_20113_20473	7794	0	61	0	6919	0
6S	SH2 to Wainuiomata		20113	20473		20113_20473	10197	0	61	0	6919	324
6S	SH2 to Wainuiomata		20113	20473	1071	20113_20473_1071	10198	0	61	0	6919	0
6S	SH2 to Wainuiomata		20473	1071		20473_1071	3187	0	61	0	6919	458
6S	SH2 to Wainuiomata		20473	1071	20075	20473_1071_20075	3186	0	61	0	6919	0
6S	SH2 to Wainuiomata		1071	20075		1071_20075	7509	0	61	0	6919	48
6S	SH2 to Wainuiomata	Parkside Rd / Bell Rd - Gracefield Rd / Wainuiomata Rd	1071	20075	20112	1071_20075_20112	7511	1	62	1211	8130	0
6S	SH2 to Wainuiomata		20075	20112		20075_20112	7785	0	62	0	8130	265
6S	SH2 to Wainuiomata		20075	20112	20084	20075_20112_20084	7786	0	62	0	8130	0
6S	SH2 to Wainuiomata		20112	20084		20112_20084	7557	0	62	0	8130	474
6S	SH2 to Wainuiomata		20112	20084	20324	20112_20084_20324	7556	0	62	0	8130	0
6S	SH2 to Wainuiomata		20084	20324		20084_20324	9246	0	62	0	8130	322
6S	SH2 to Wainuiomata		20084	20324	20085	20084_20324_20085	9247	0	62	0	8130	0
6S	SH2 to Wainuiomata		20324	20085		20324_20085	7561	0	62	0	8130	150
6S	SH2 to Wainuiomata	Gracefield Rd / Wainuiomata Rd - Wainuiomata Rd / Parkway	20324	20085	20174	20324_20085_20174	7560	1	63	3028	11158	0
6S	SH2 to Wainuiomata		20085	20174		20085_20174	8260	0	63	0	11158	235

Route	Direction	Checkpoint [- next Checkpoint]	Model nodes			ID	Match	empty test	counter	Distance between Checkpoints	Cumulative Distance between Checkpoints	Model Distances between nodes
6S	SH2 to Wainuiomata		20085	20174	20151	20085_20174_20151	8261	0	63	0	11158	0
6S	SH2 to Wainuiomata		20174	20151		20174_20151	8074	0	63	0	11158	913
6S	SH2 to Wainuiomata		20174	20151	20194	20174_20151_20194	8073	0	63	0	11158	0
6S	SH2 to Wainuiomata		20151	20194		20151_20194	8405	0	63	0	11158	413
6S	SH2 to Wainuiomata		20151	20194	20213	20151_20194_20213	8406	0	63	0	11158	0
6S	SH2 to Wainuiomata		20194	20213		20194_20213	8505	0	63	0	11158	317
6S	SH2 to Wainuiomata		20194	20213	20099	20194_20213_20099	8506	0	63	0	11158	0
6S	SH2 to Wainuiomata		20213	20099		20213_20099	7682	0	63	0	11158	1150
6S	SH2 to Wainuiomata	END	20213	20099	20409	20213_20099_20409	7681	1	64	40	11198	0
6S	SH2 to Wainuiomata		20099	20409		20099_20409	9740	0	64	0	11198	40

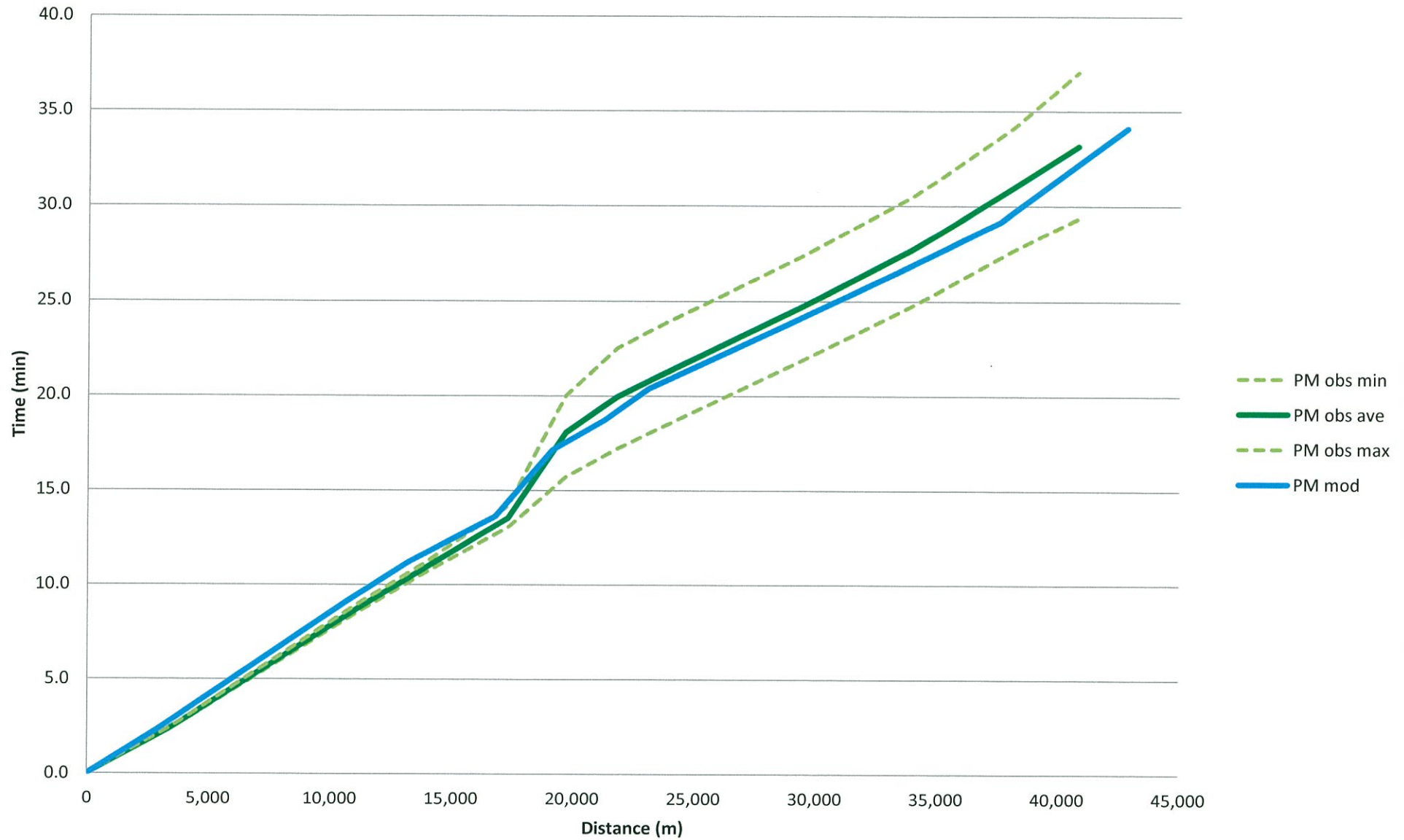
1S - Waikanae Railway Station to Wellington Airport



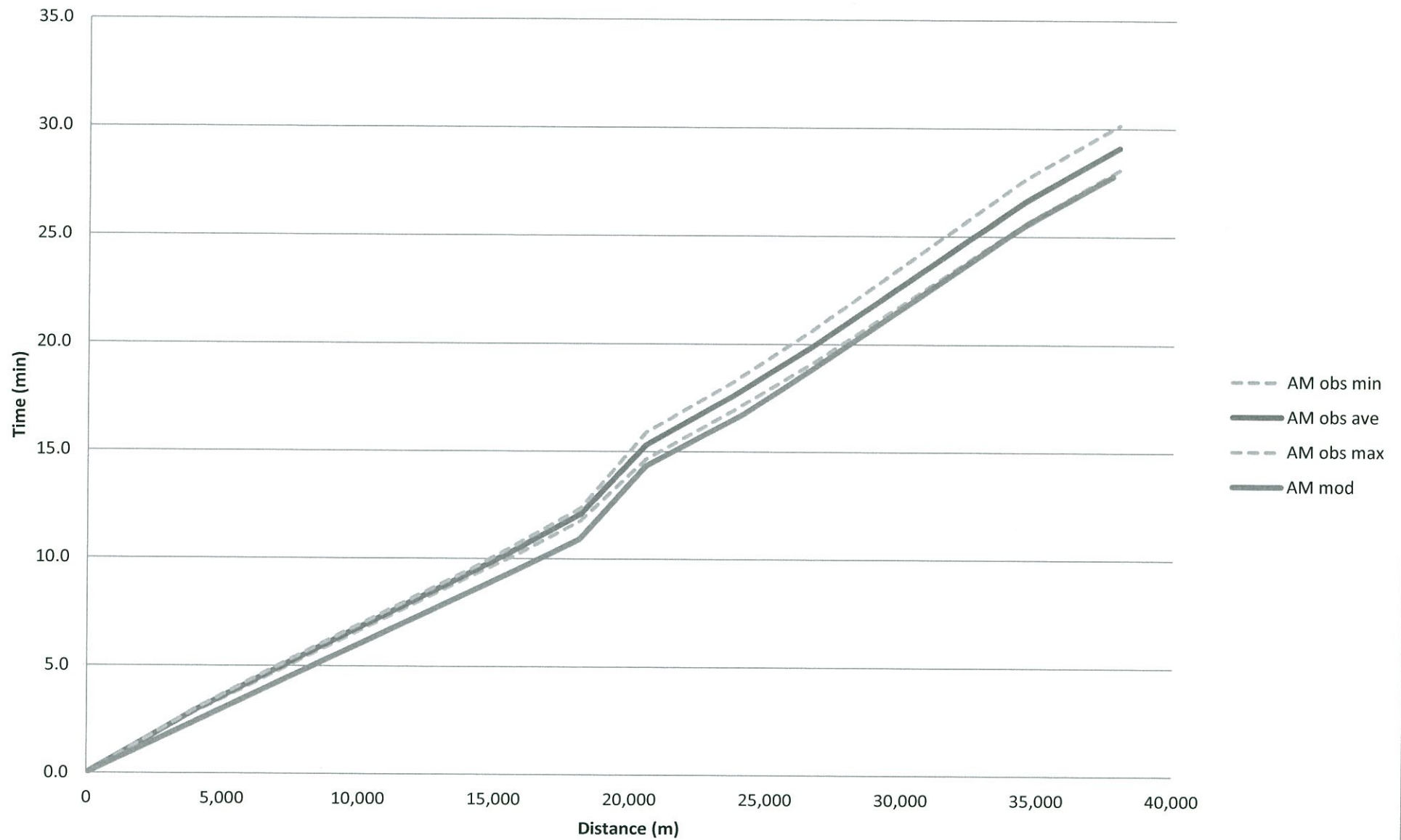
1S - Waikanae Railway Station to Wellington Airport



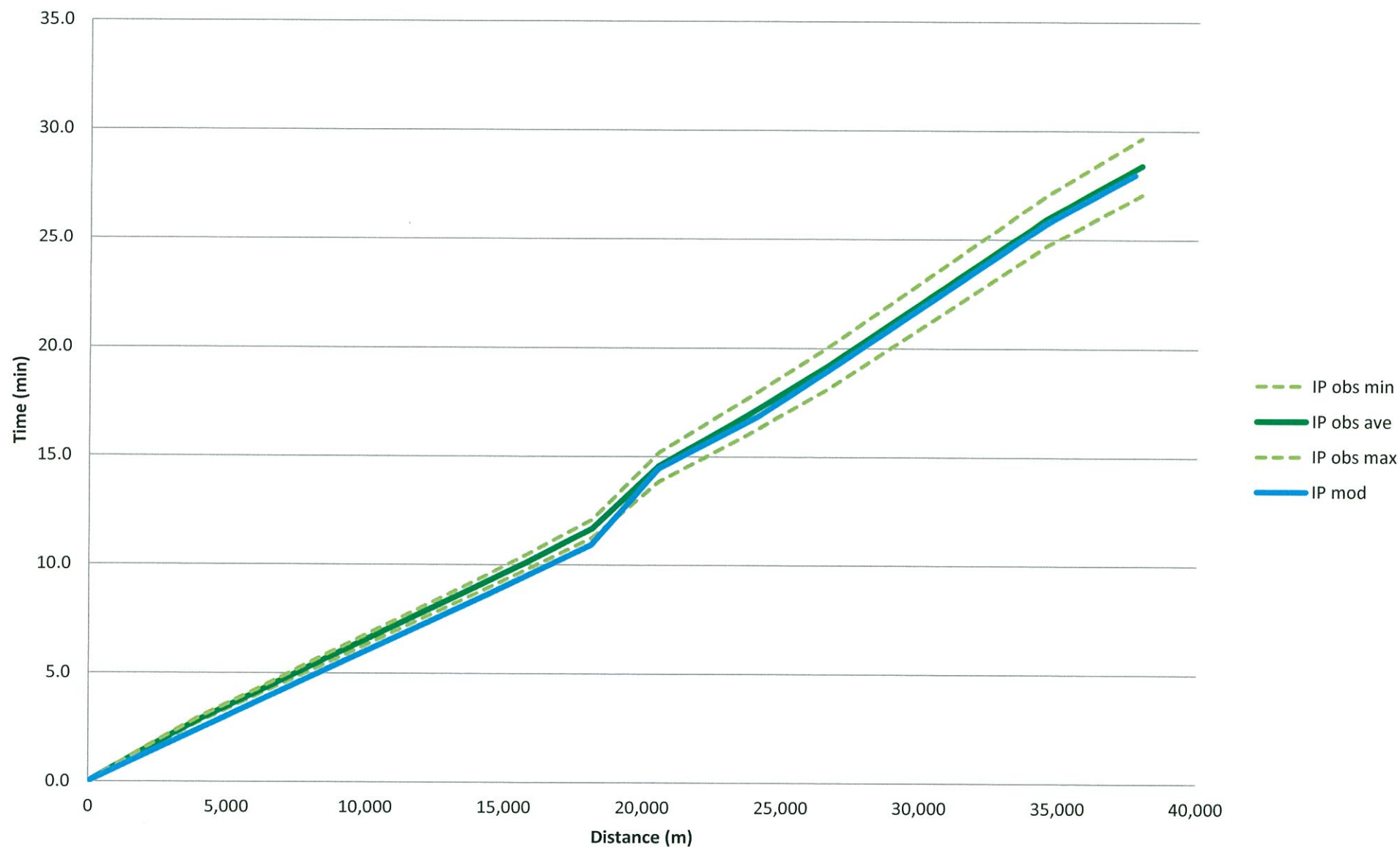
1S - Waikanae Railway Station to Wellington Airport



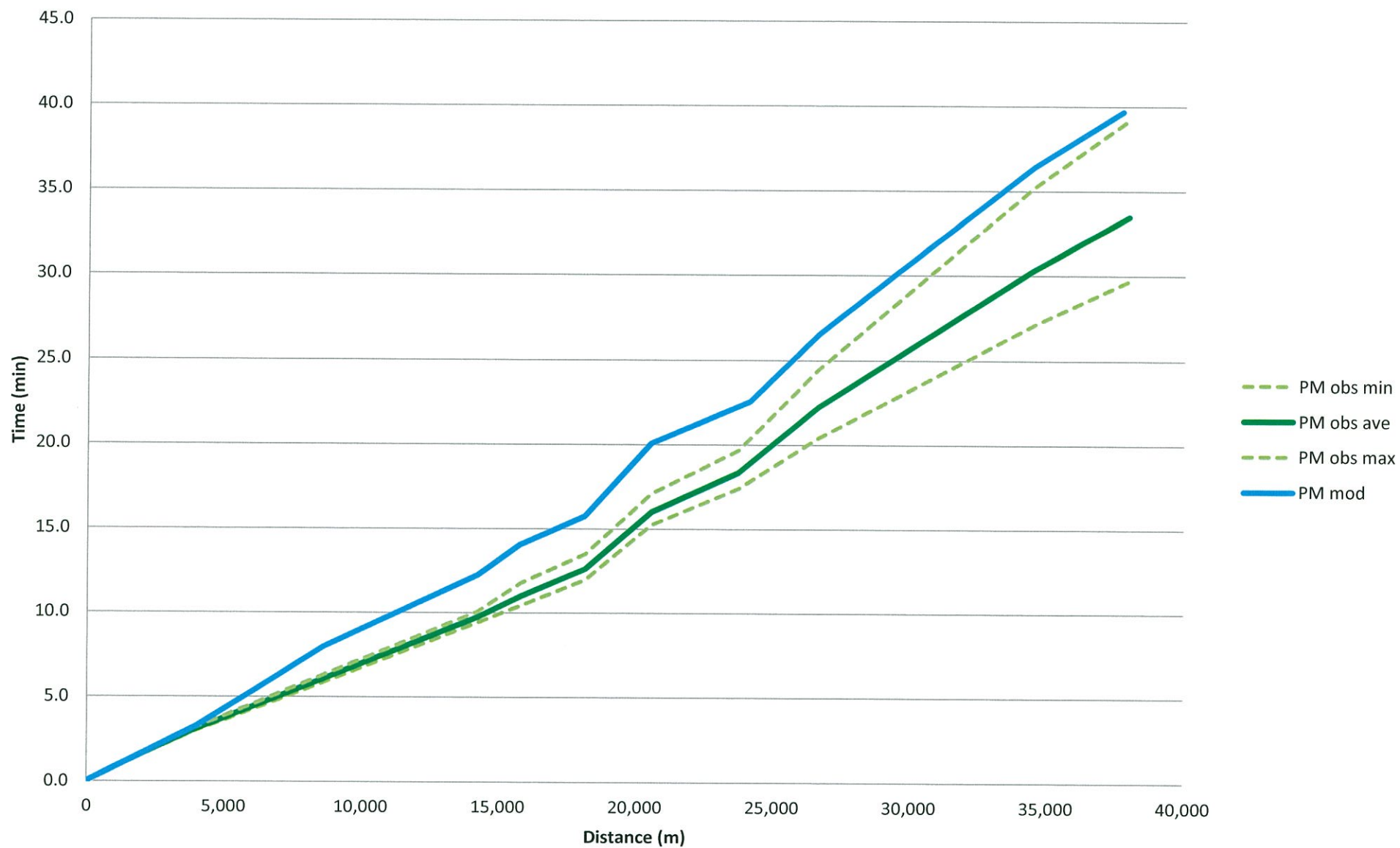
1N - Wellington Airport to Waikanae Railway Station



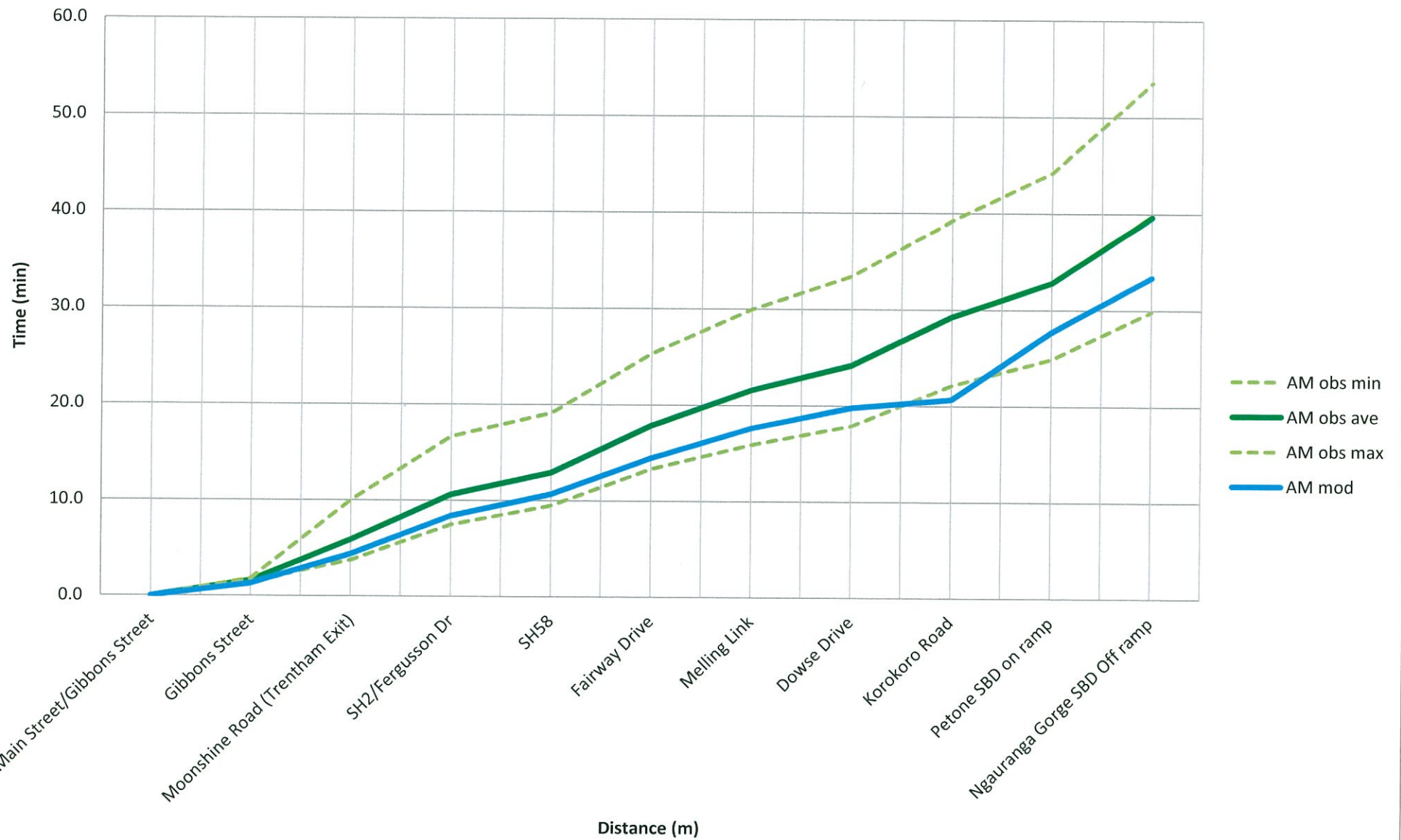
1N- Wellington Airport to Waikanae Railway Station



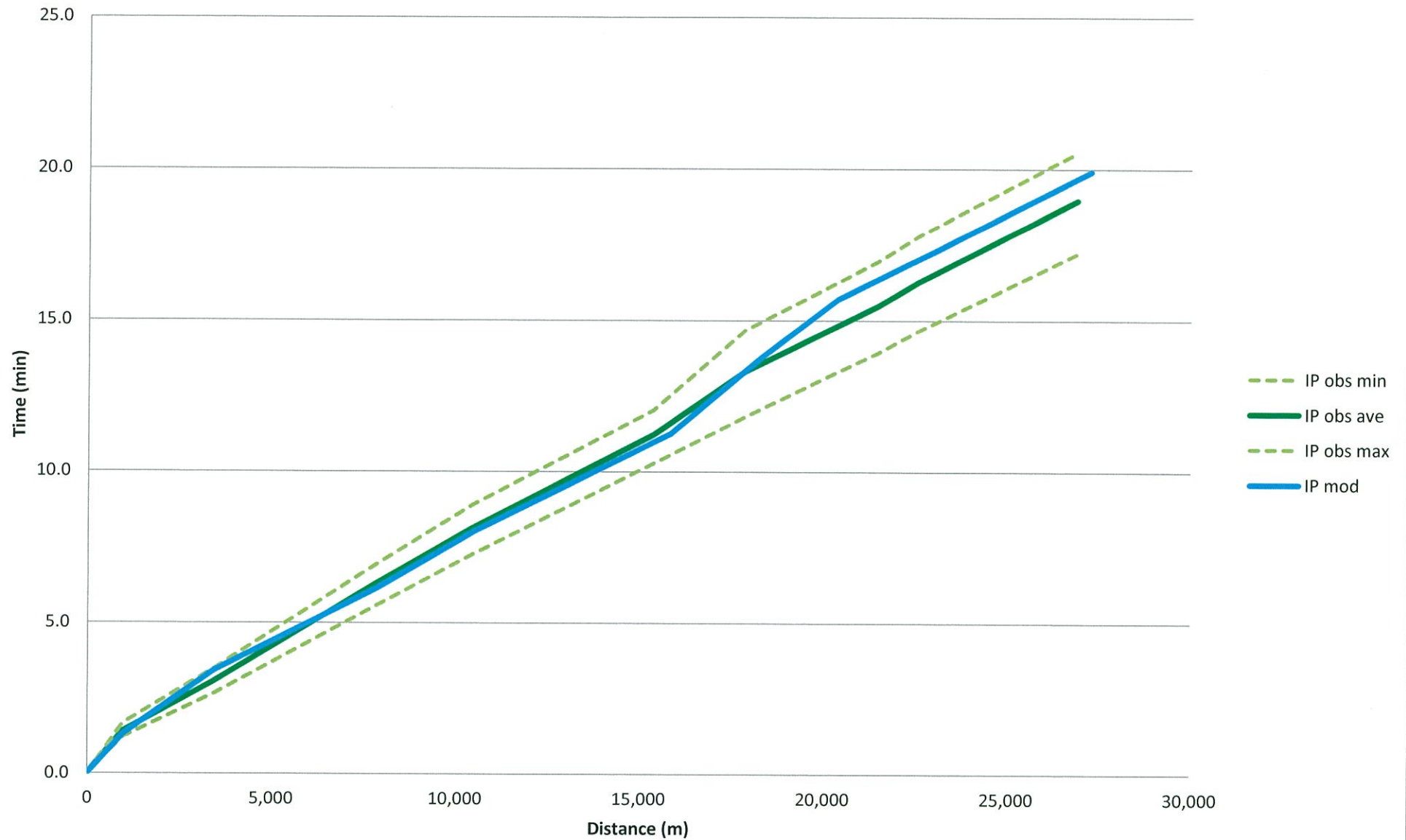
1N- Wellington Airport to Waikanae Railway Station



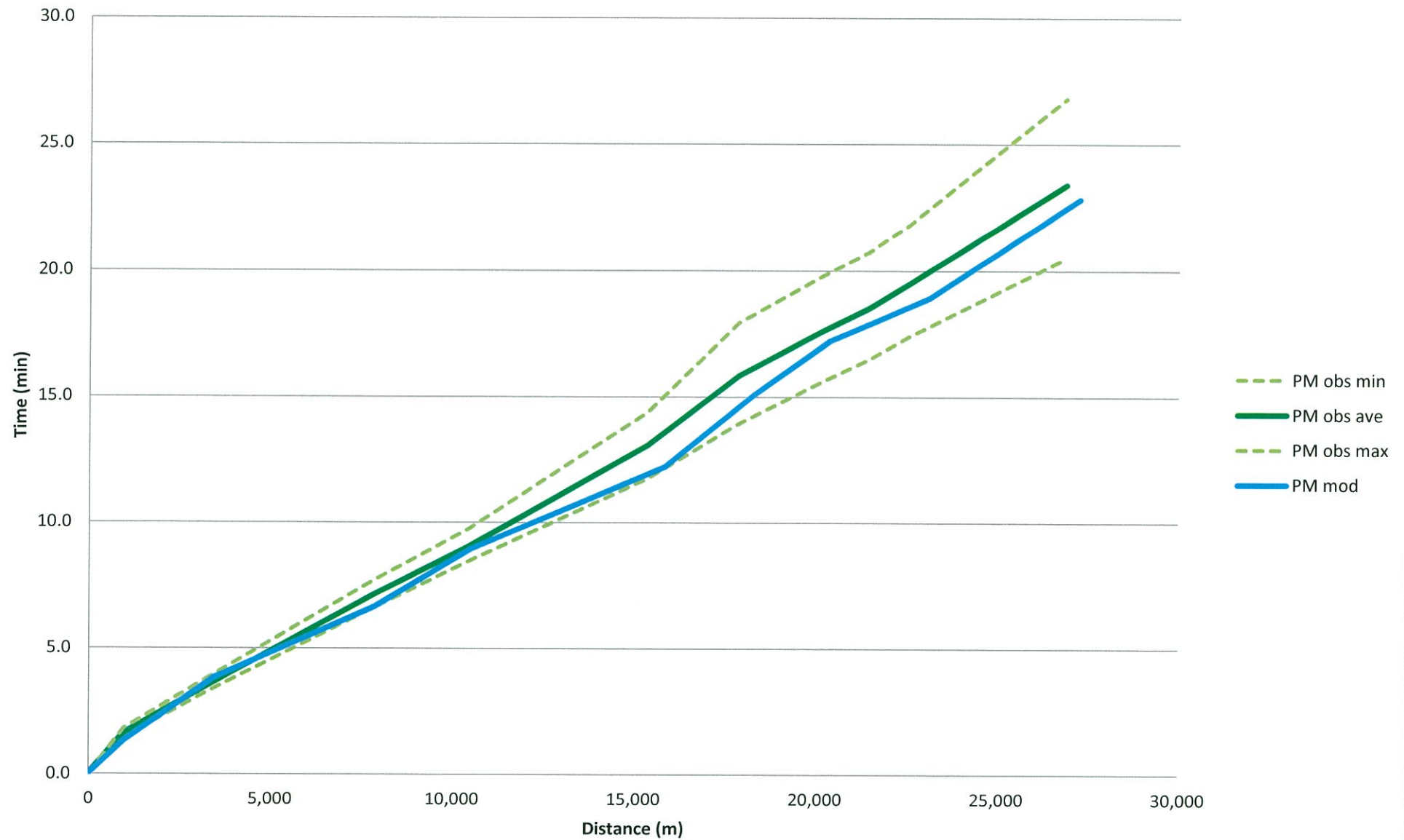
2S - Upper Hutt Rail Station to WLG Rail Station via Old Hutt Rd



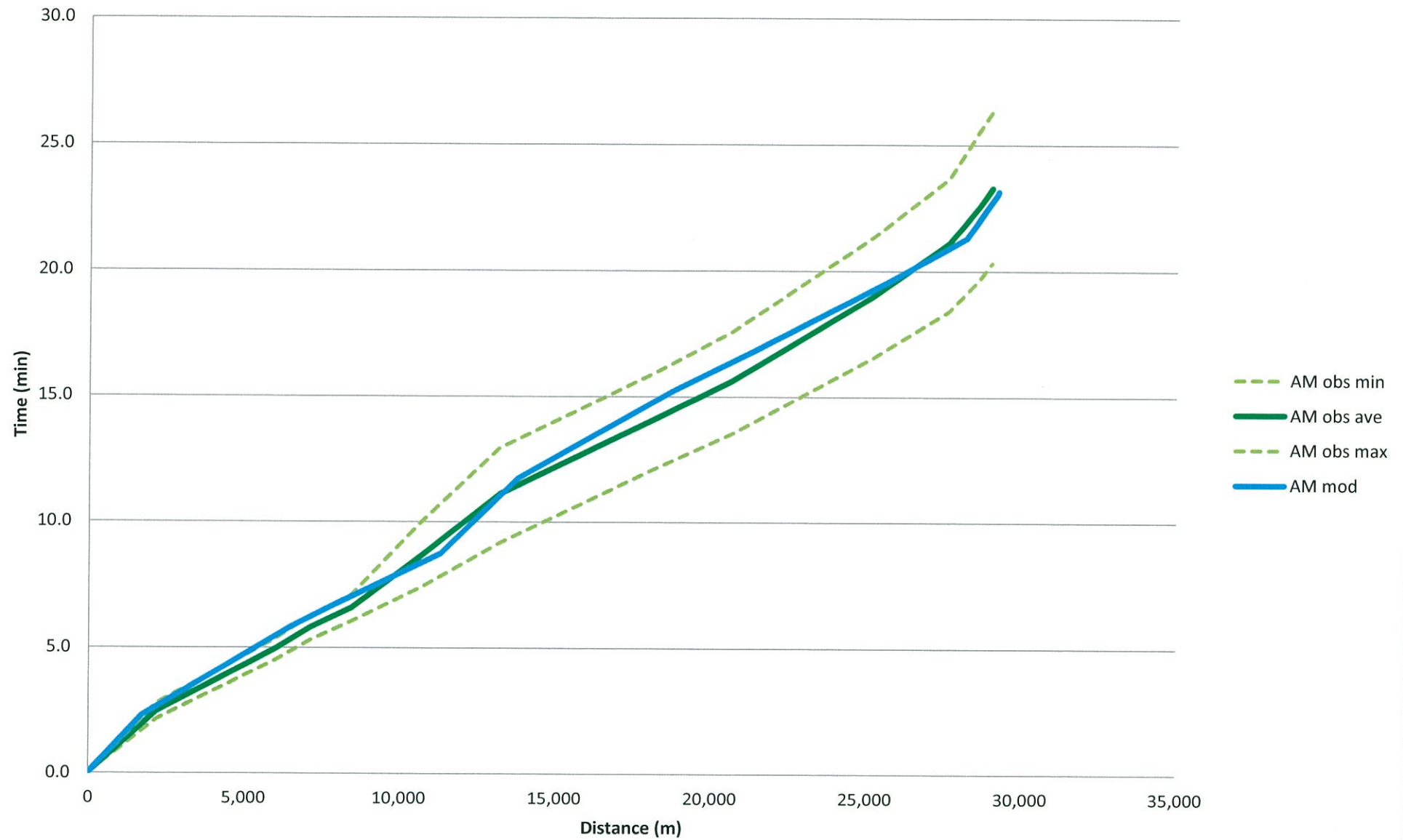
2S - Upper Hutt Rail Station to WLG Rail Station via Old Hutt Rd



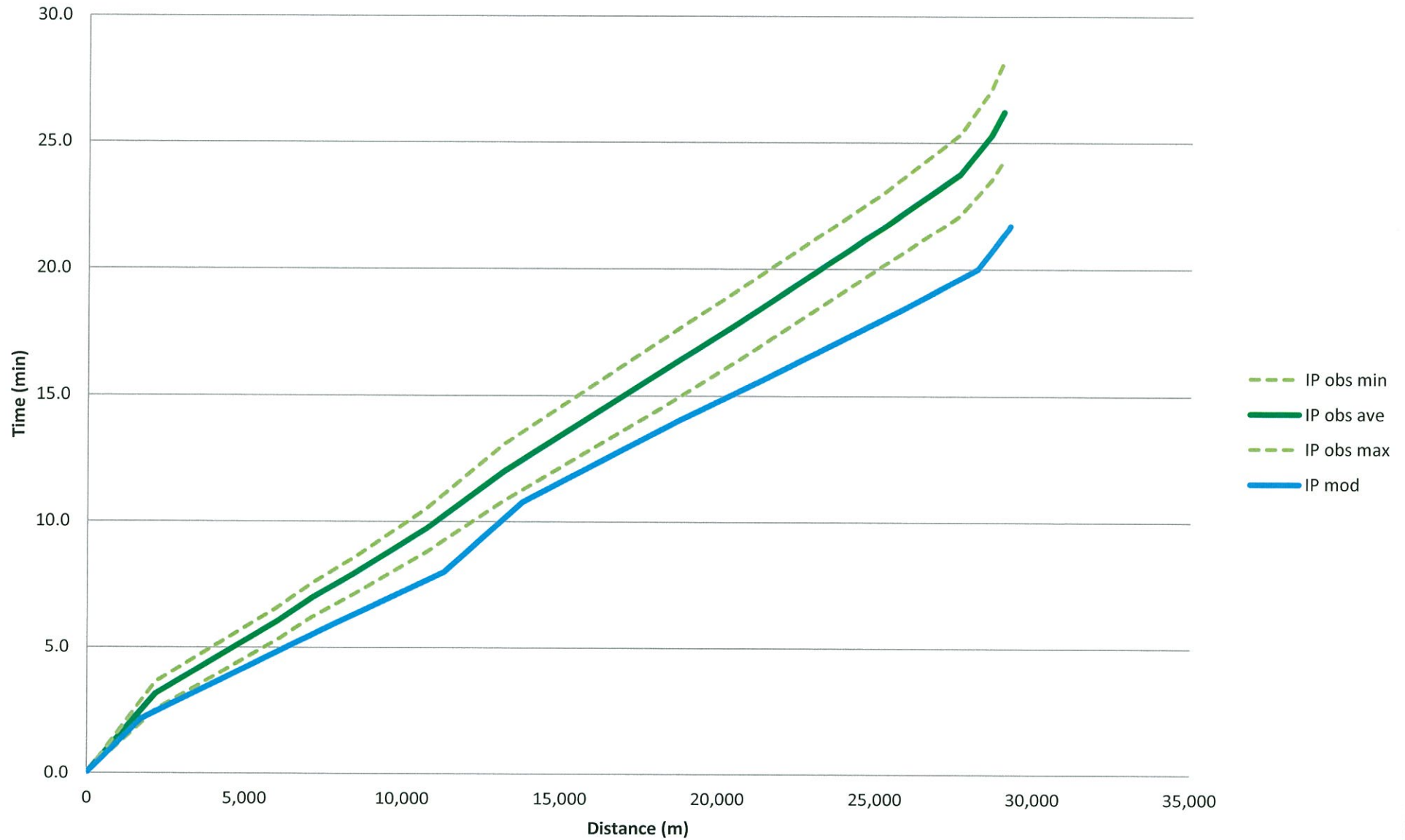
2S - Upper Hutt Rail Station to WLG Rail Station via Old Hutt Rd



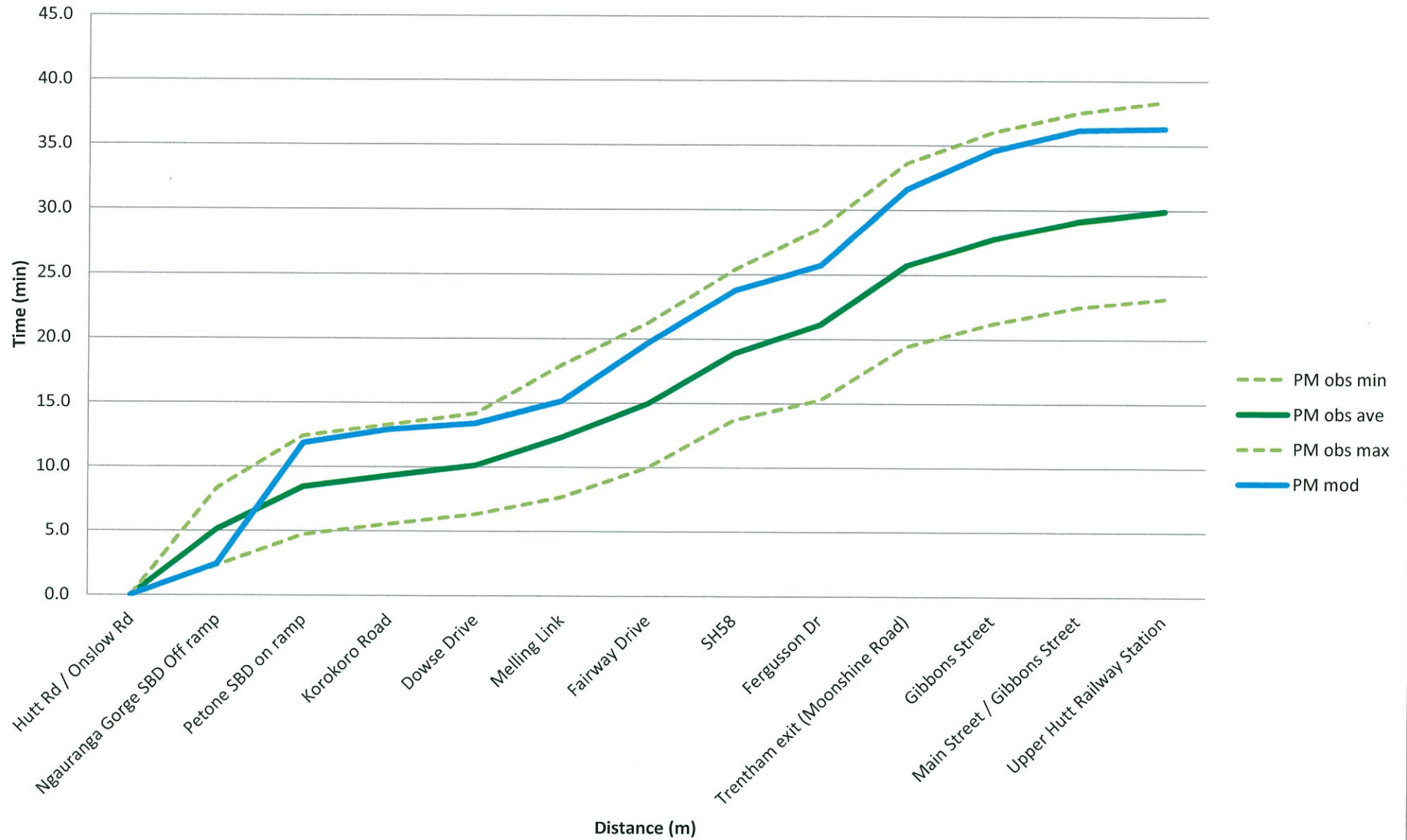
2N - WLG Rail Station to Upper Hutt Rail Station via Old Hutt Rd



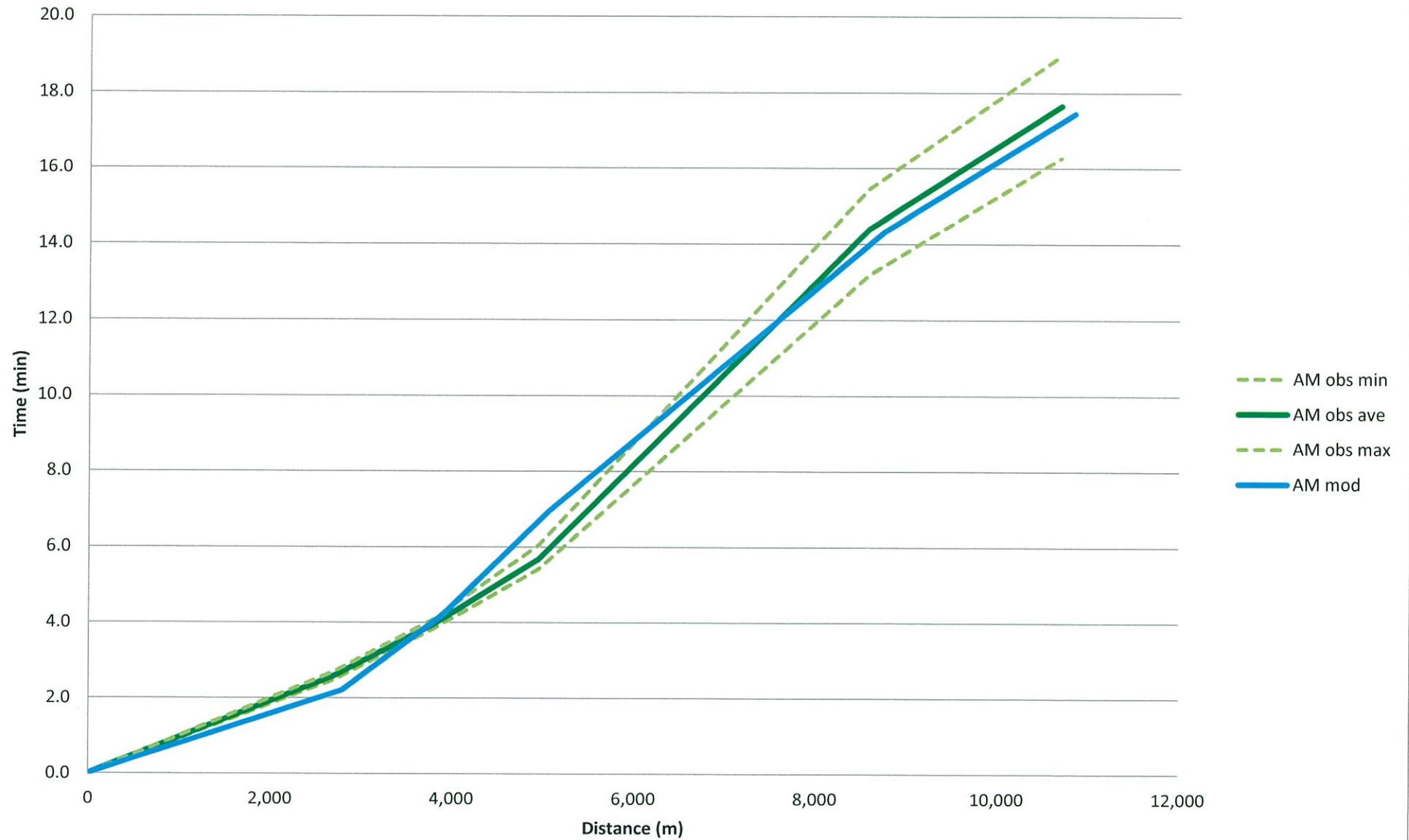
2N - WLG Rail Station to Upper Hutt Rail Station via Old Hutt Rd



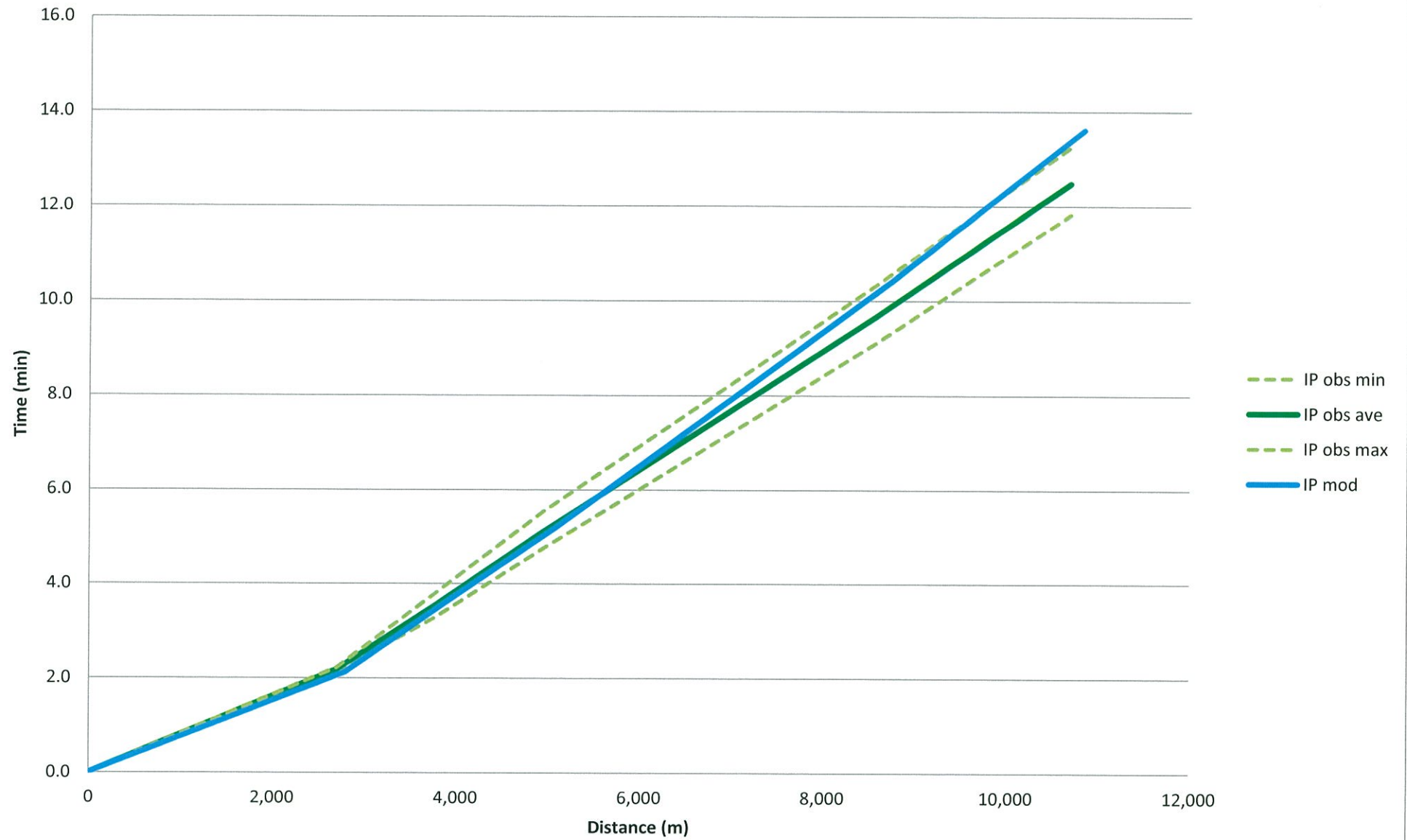
2N - WLG Rail Station to Upper Hutt Rail Station via Old Hutt Rd



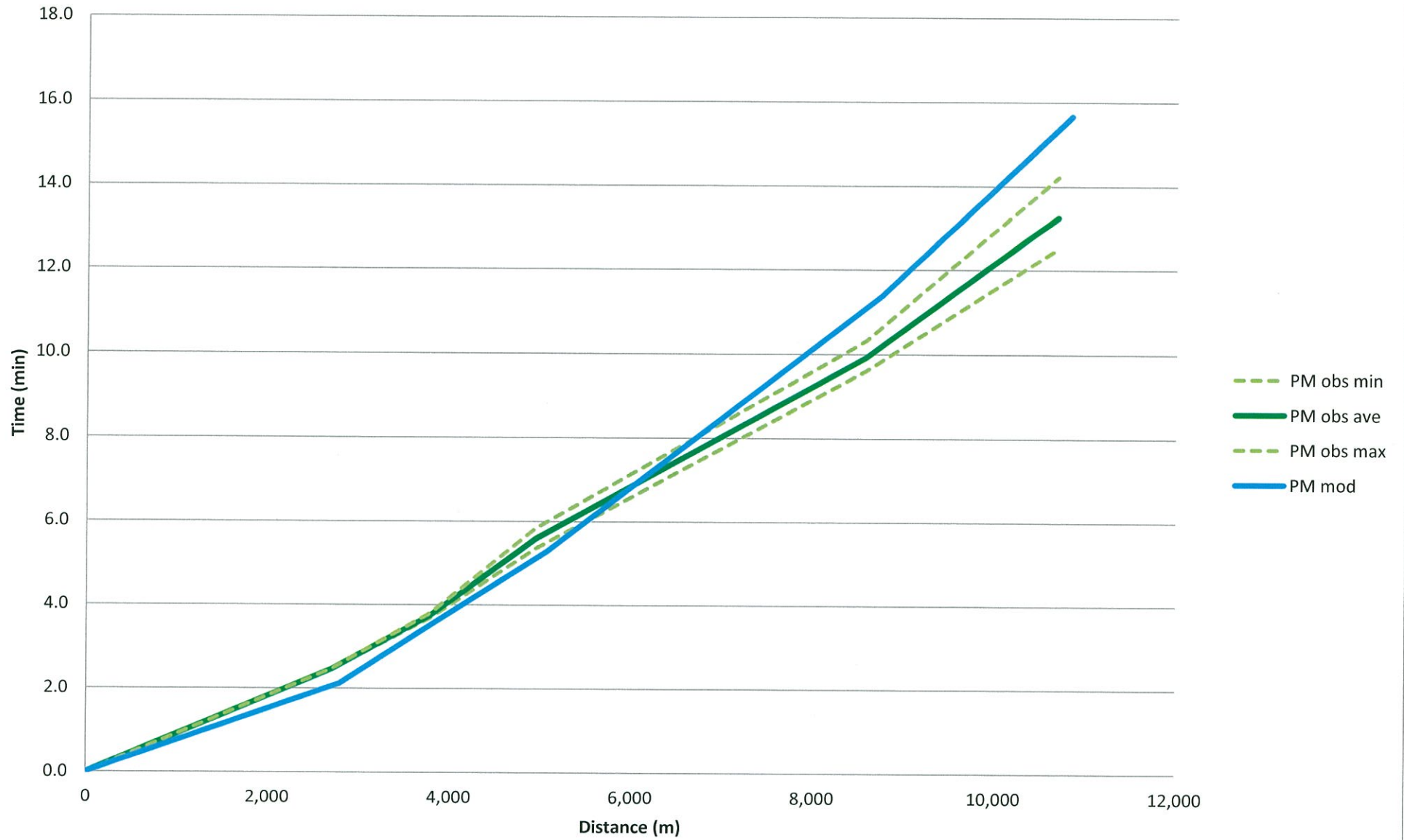
6N - Wainuiomata Rd to Hutt Rd Northbound



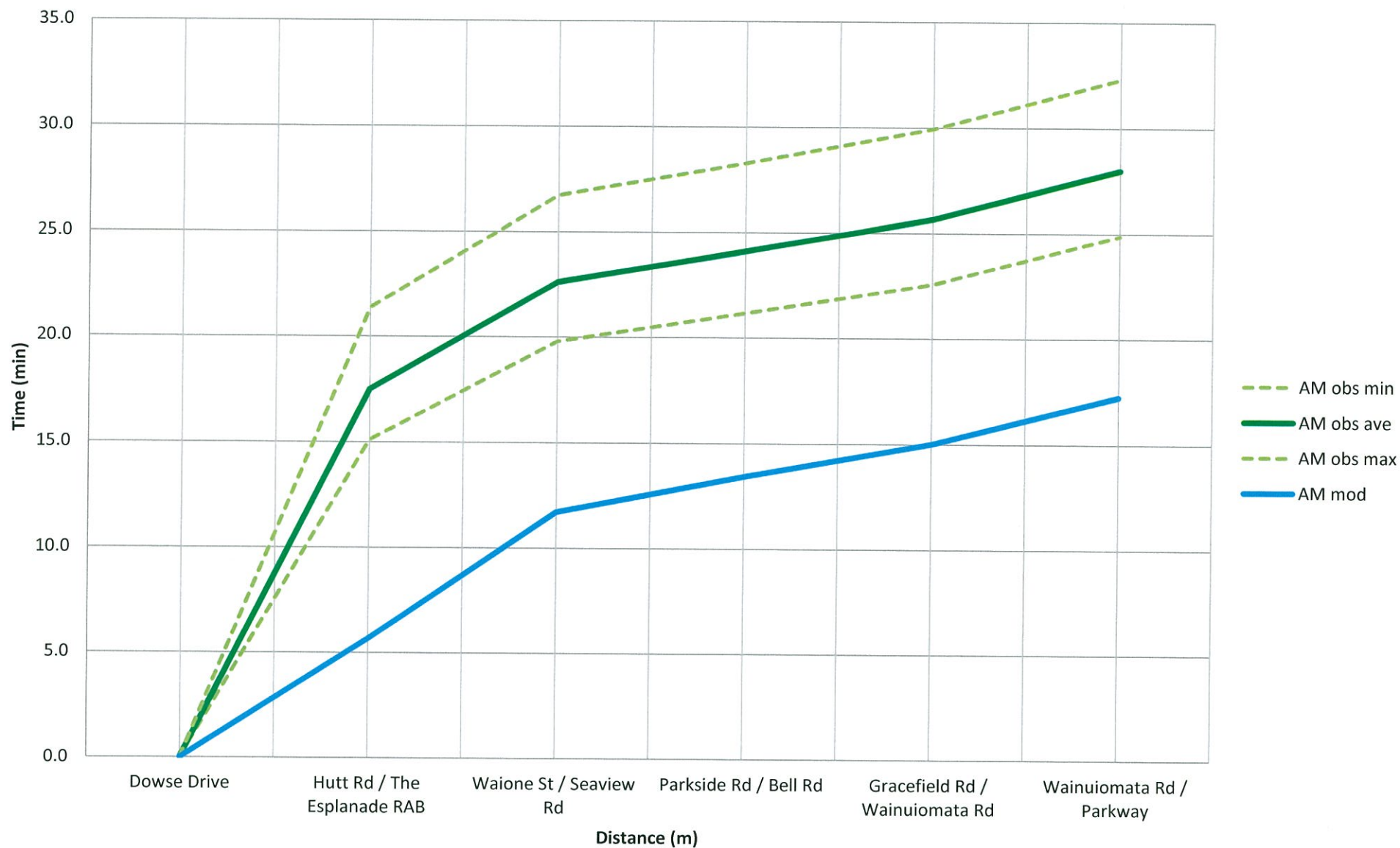
6N - Wainuiomata Rd to Hutt Rd Northbound



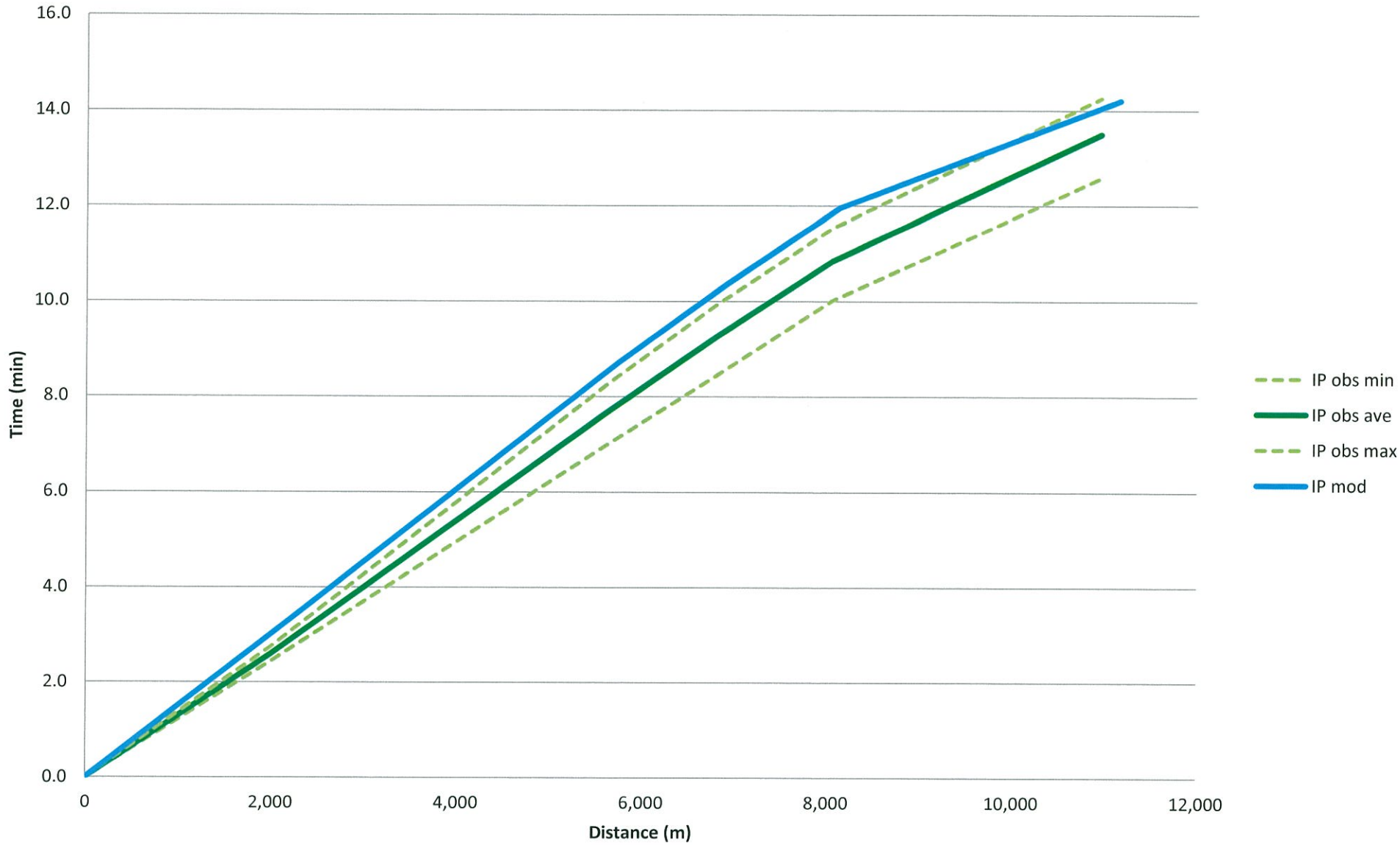
6N - Wainuiomata Rd to Hutt Rd Northbound



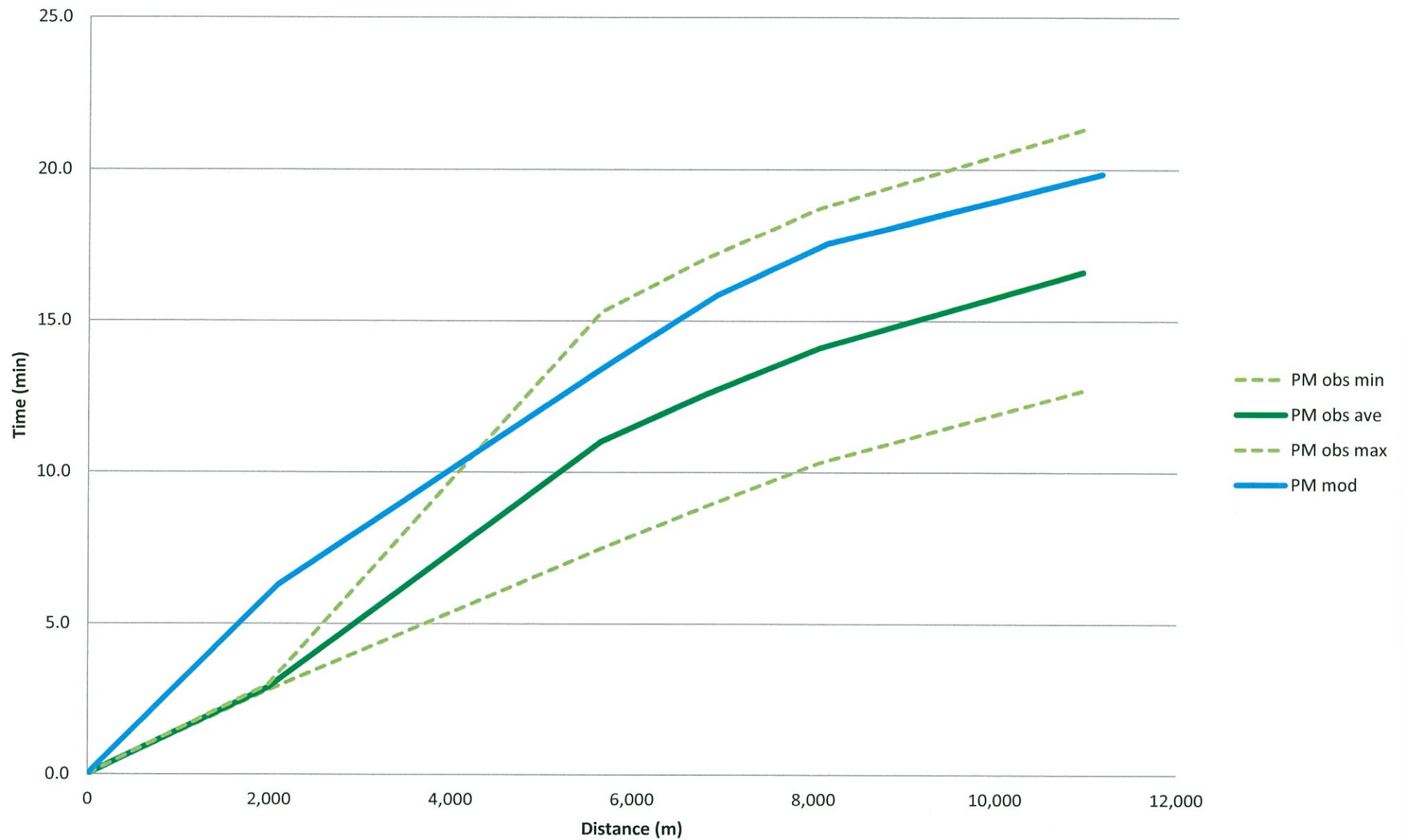
6S - Hutt Rd to Wainuiomata Rd Southbound



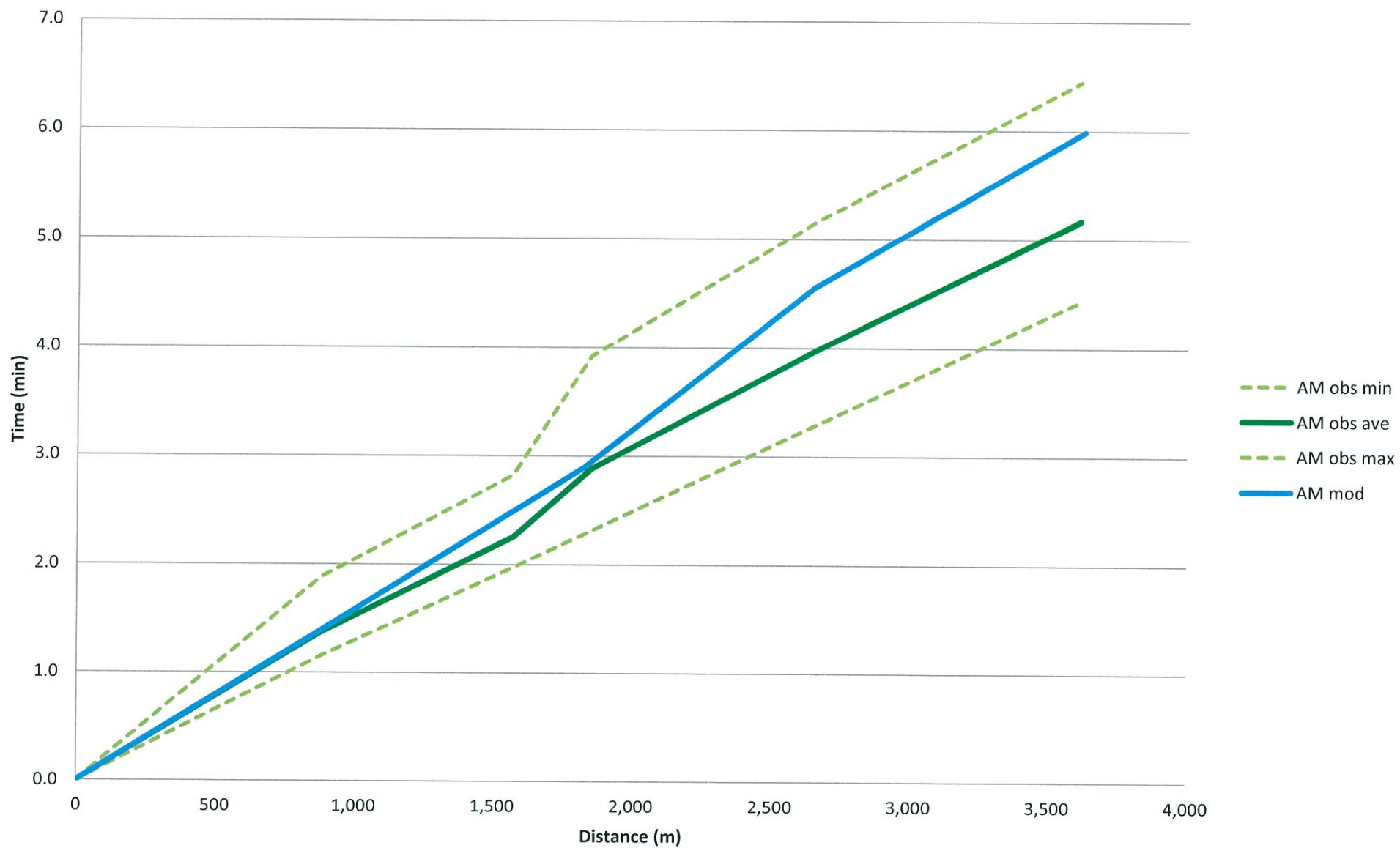
6S - Hutt Rd to Wainuiomata Rd Southbound



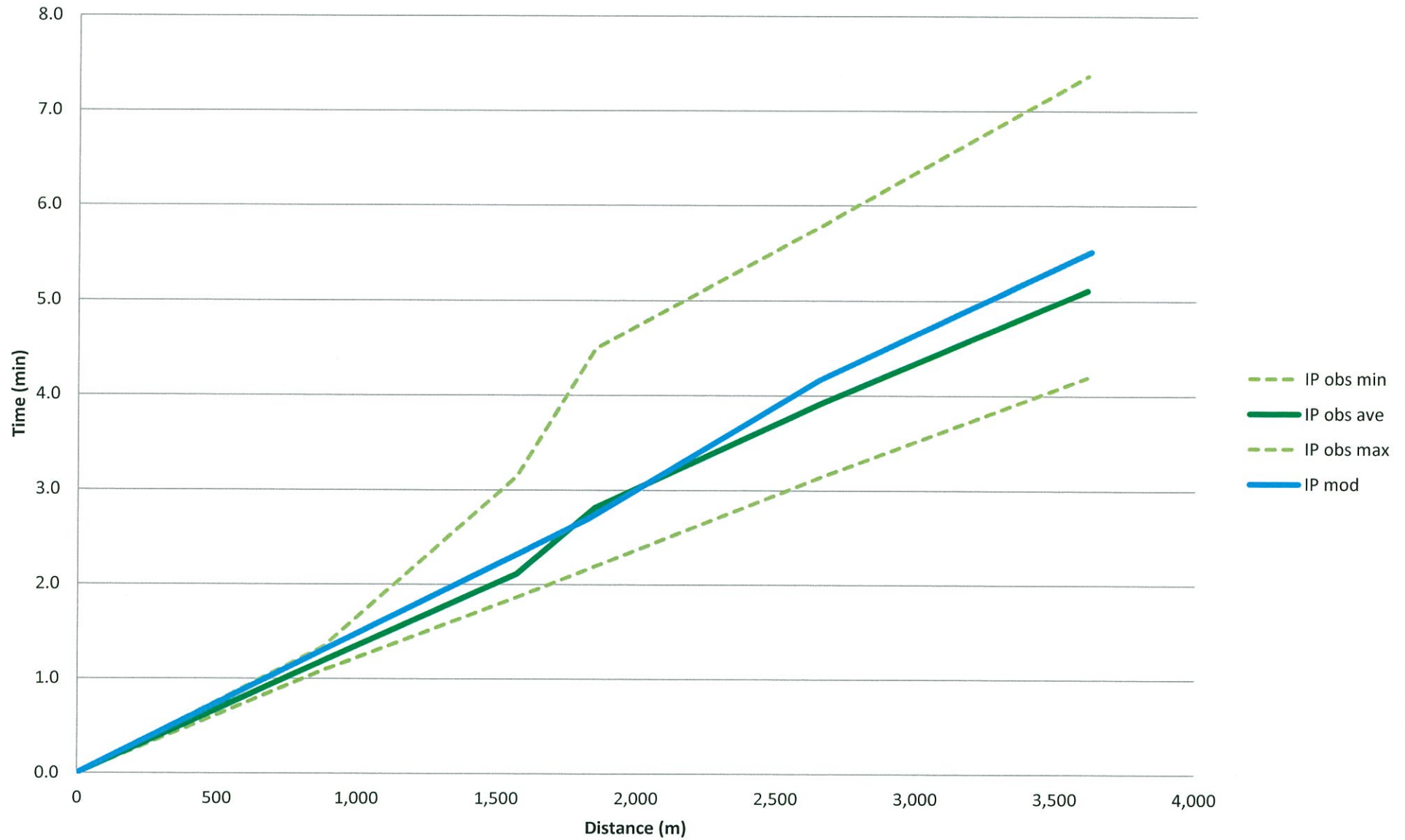
6S - Hutt Rd to Wainuiomata Rd Southbound



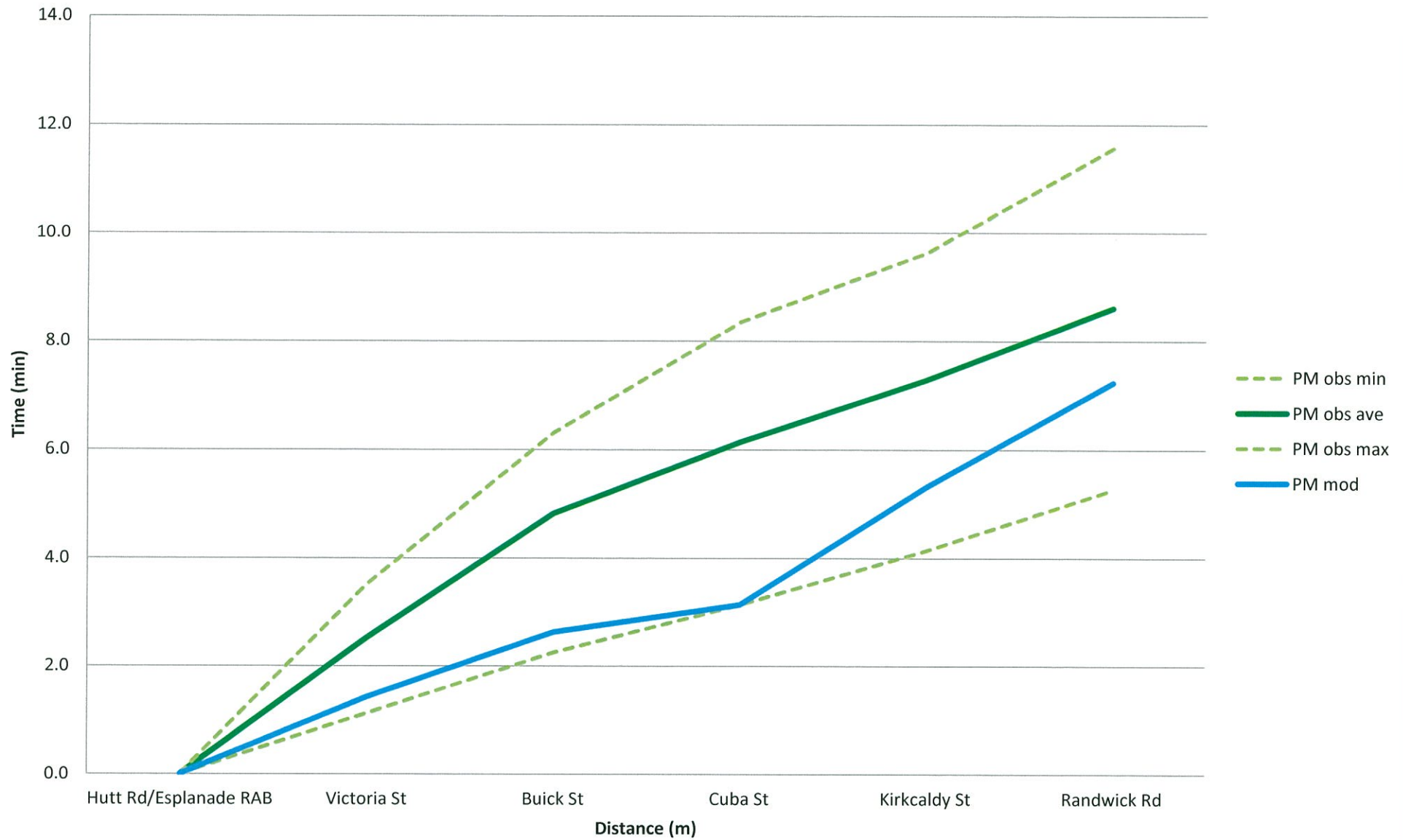
The Esplanade E - Hutt Rd to Randwick Rd



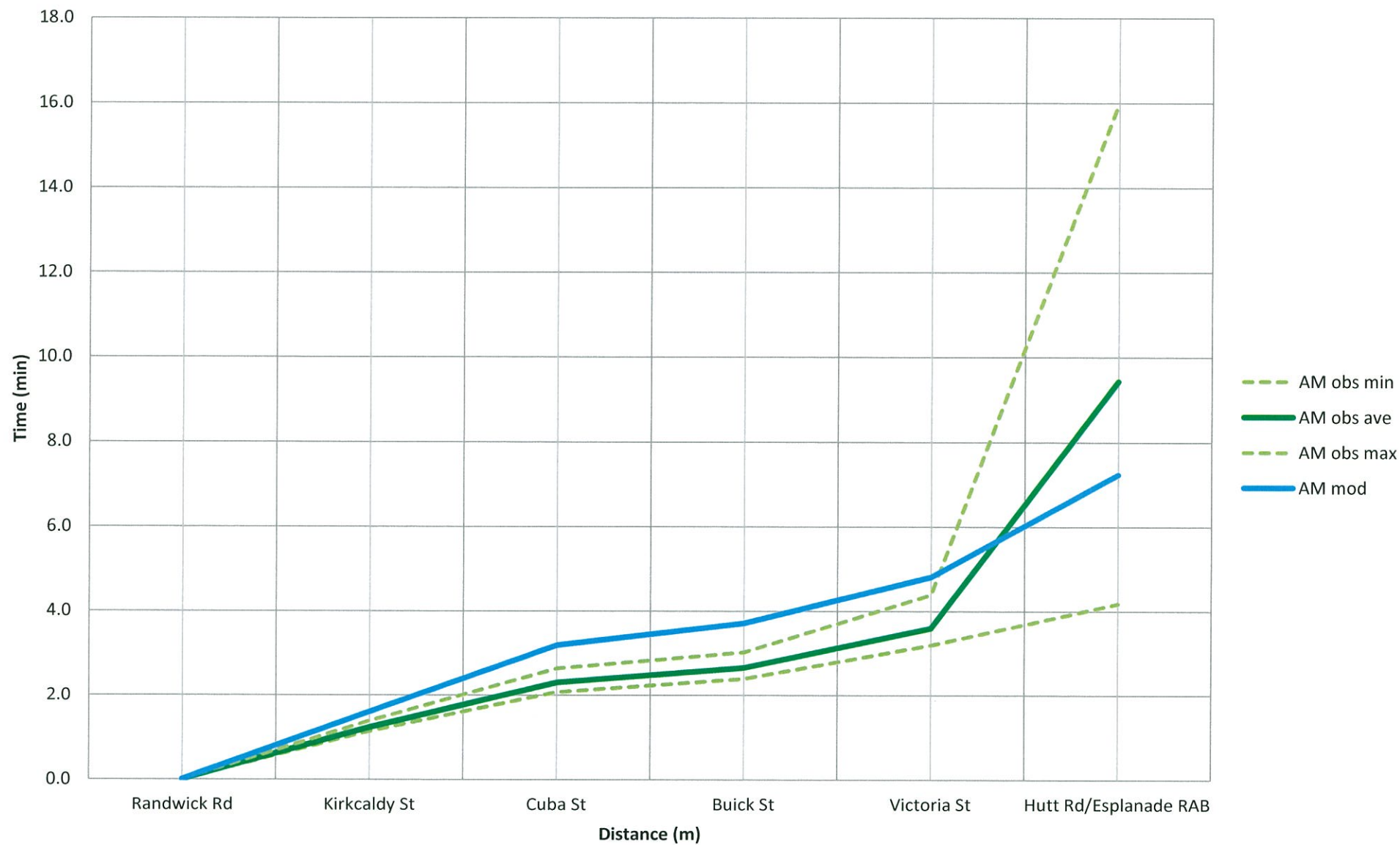
The Esplanade E - Hutt Rd to Randwick Rd



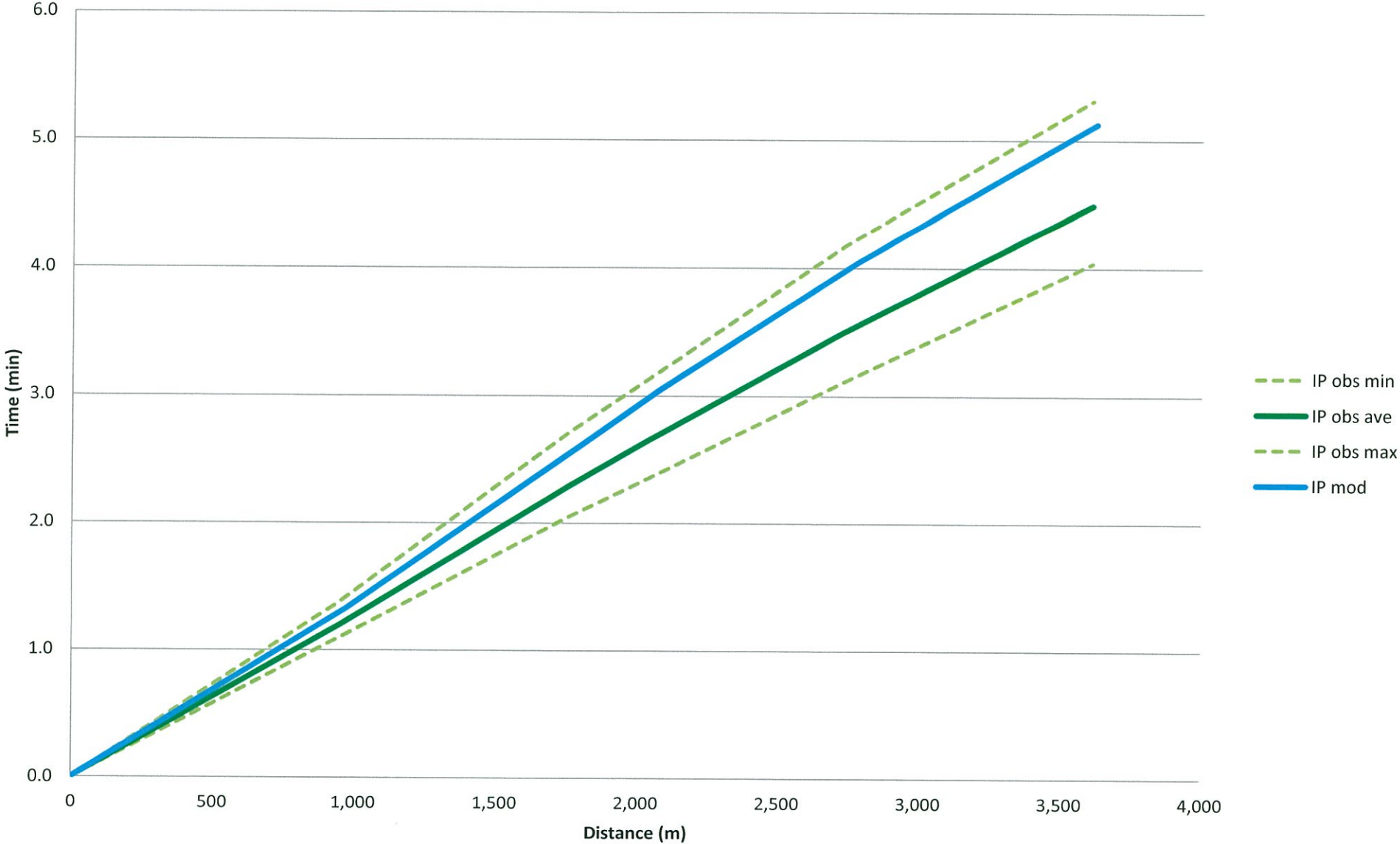
The Esplanade E - Hutt Rd to Randwick Rd



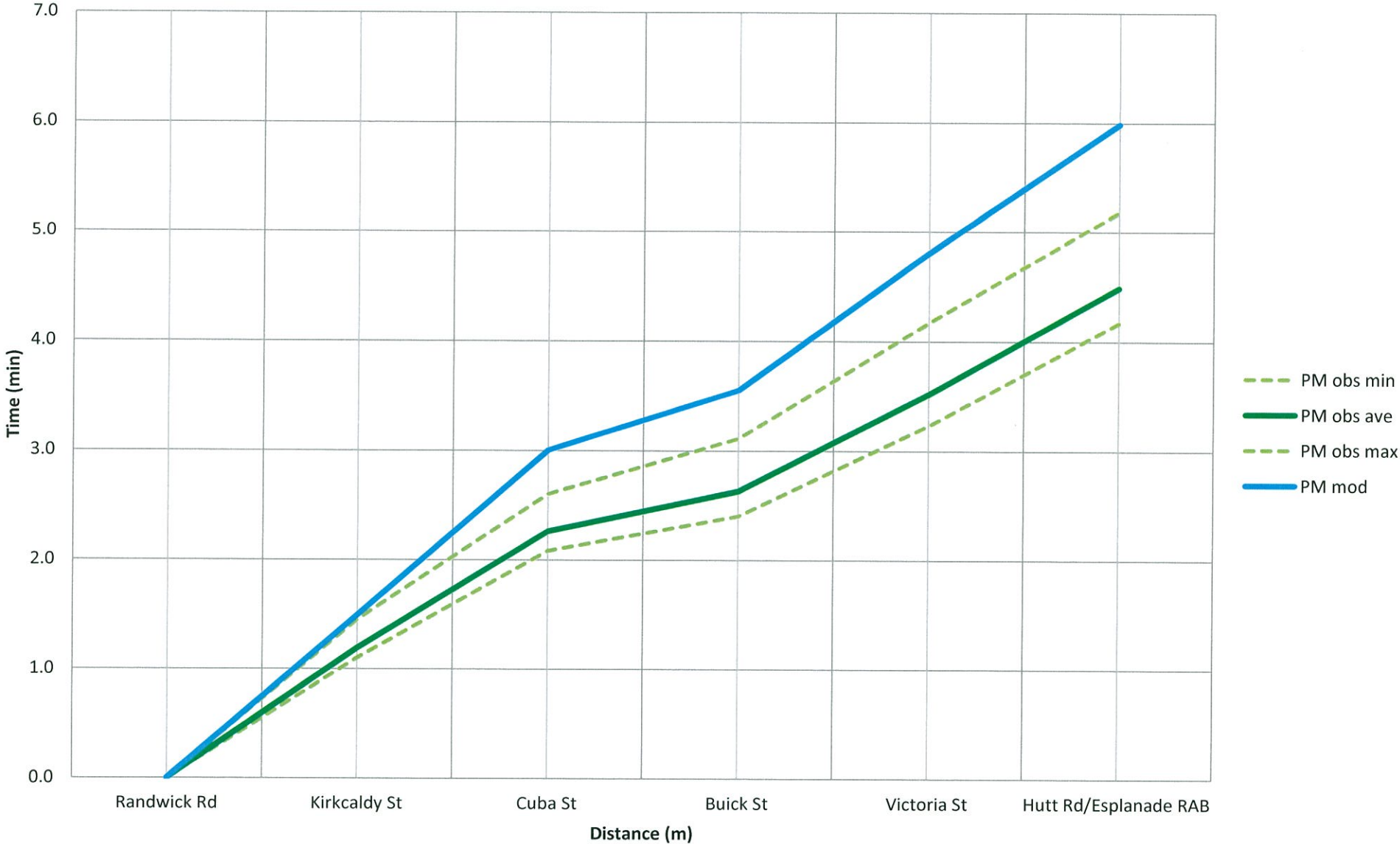
The Esplanade W - Randwick Rd to Hutt Rd



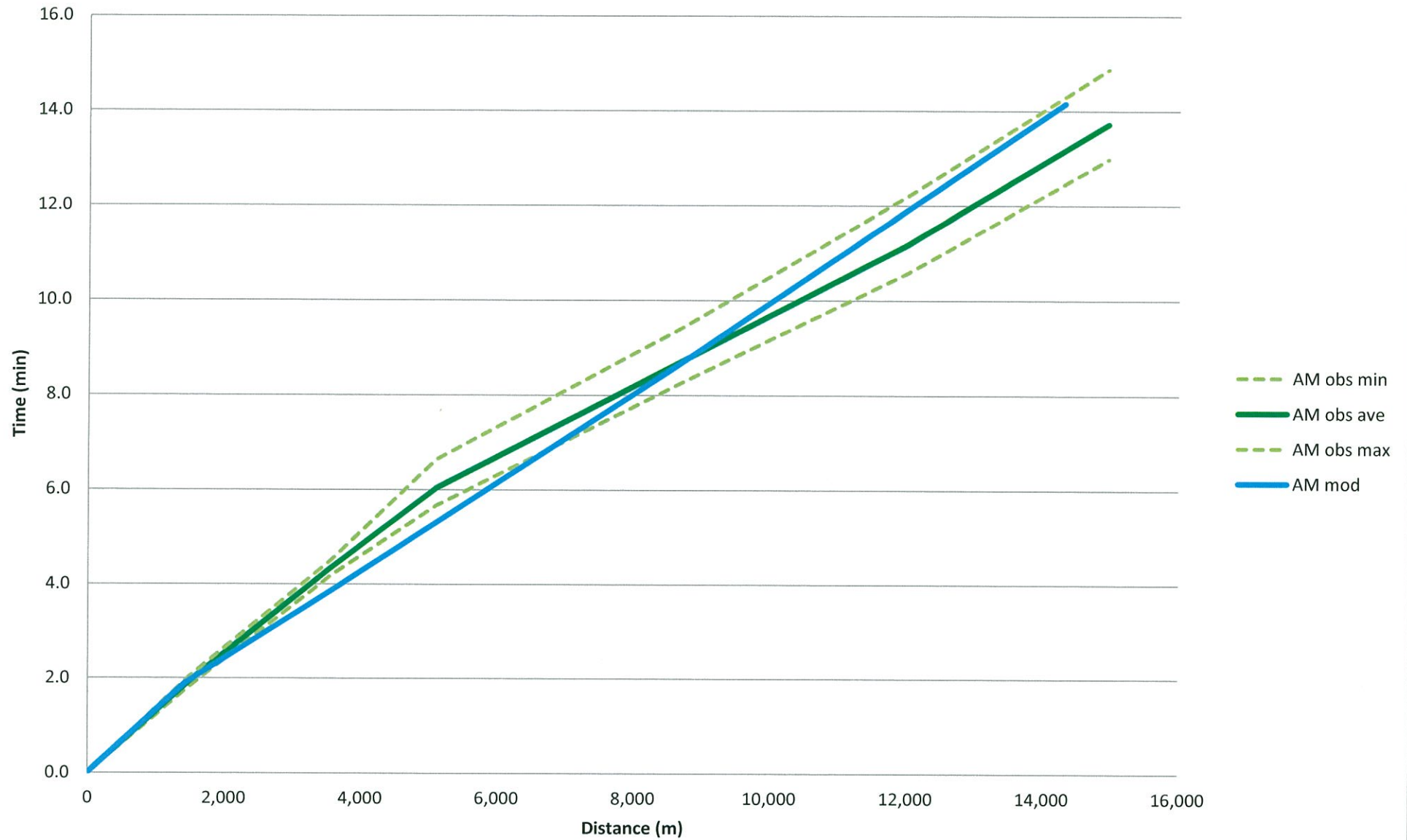
The Esplanade W - Randwick Rd to Hutt Rd



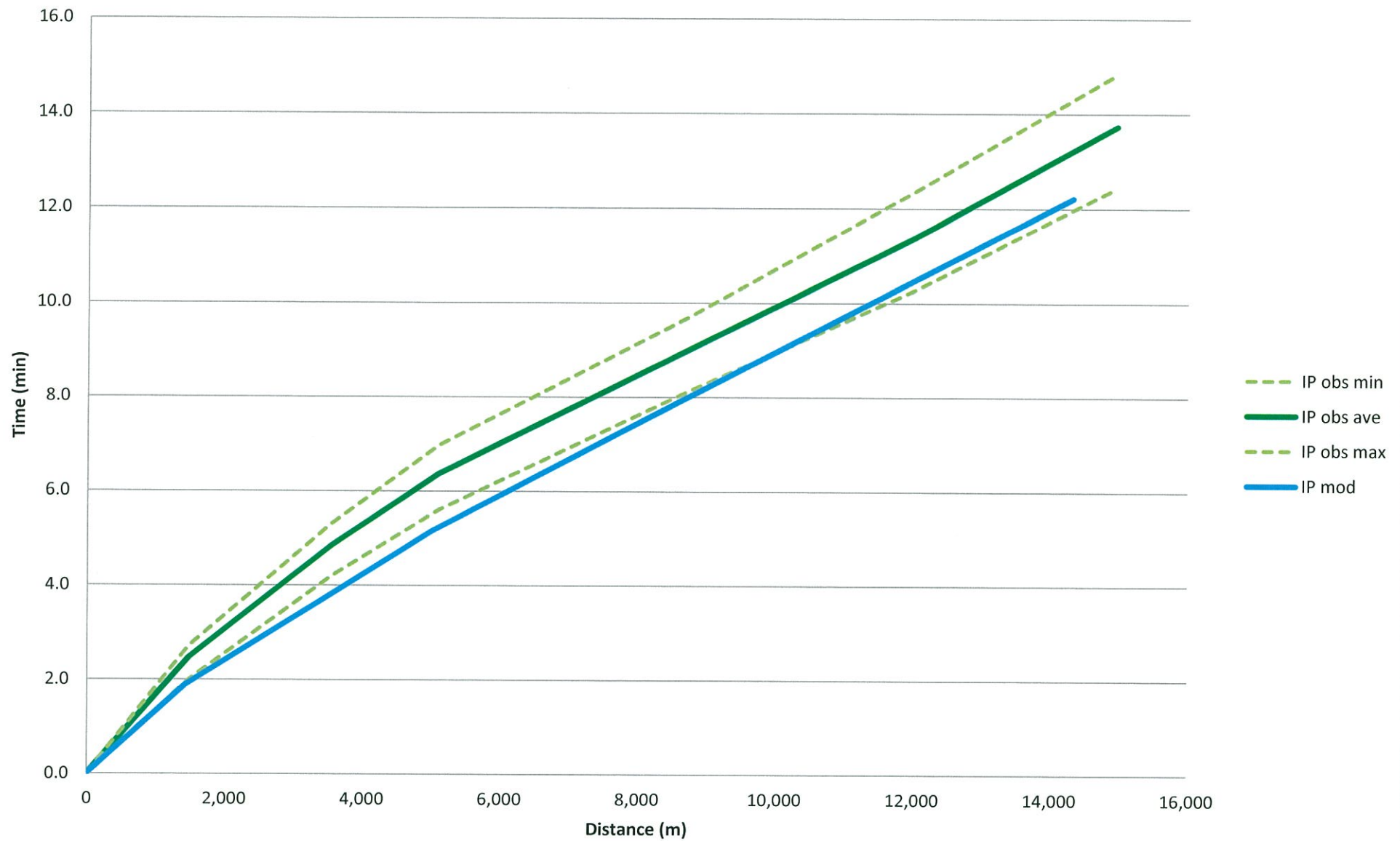
The Esplanade W - Randwick Rd to Hutt Rd



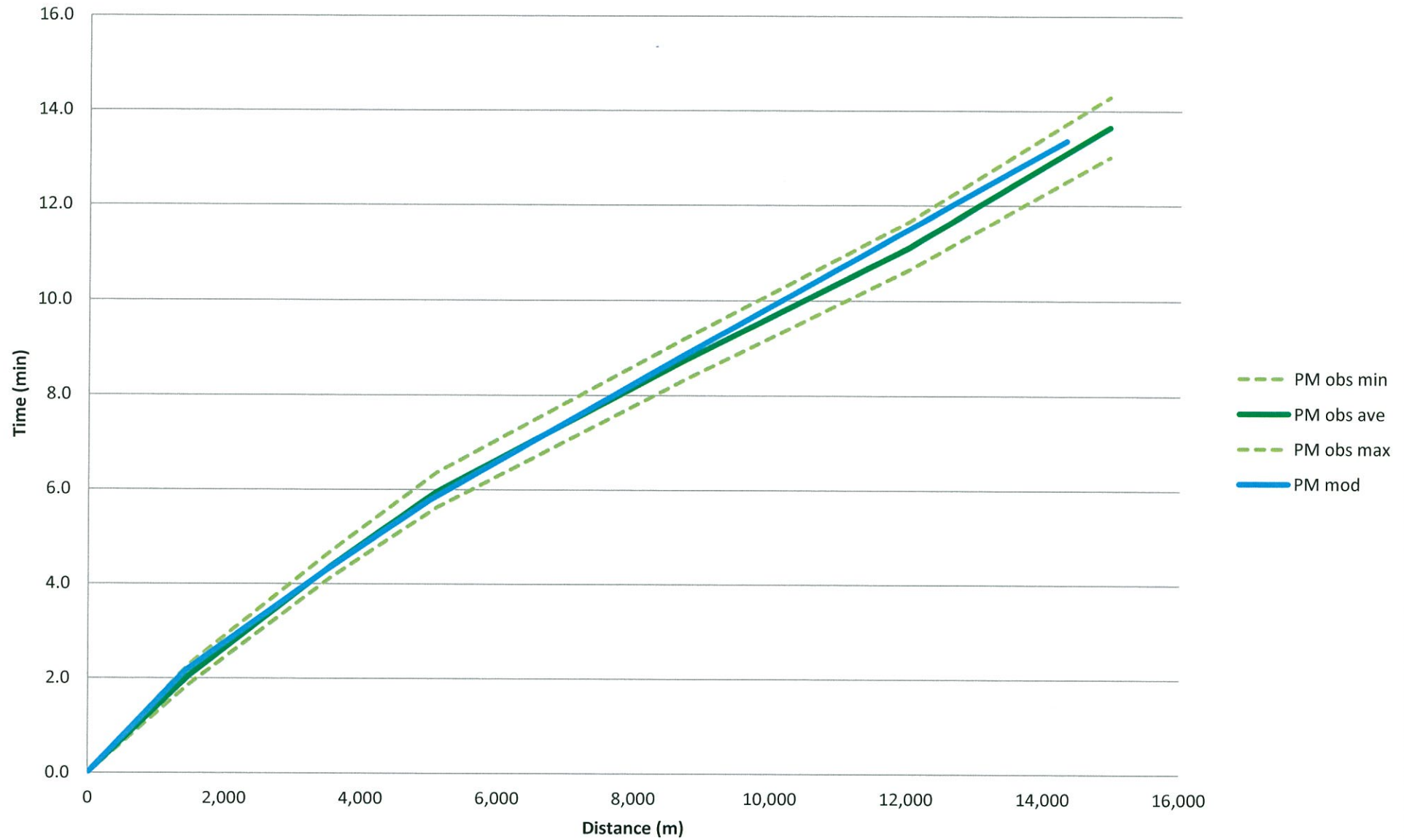
SH58 E - SH1 to SH2



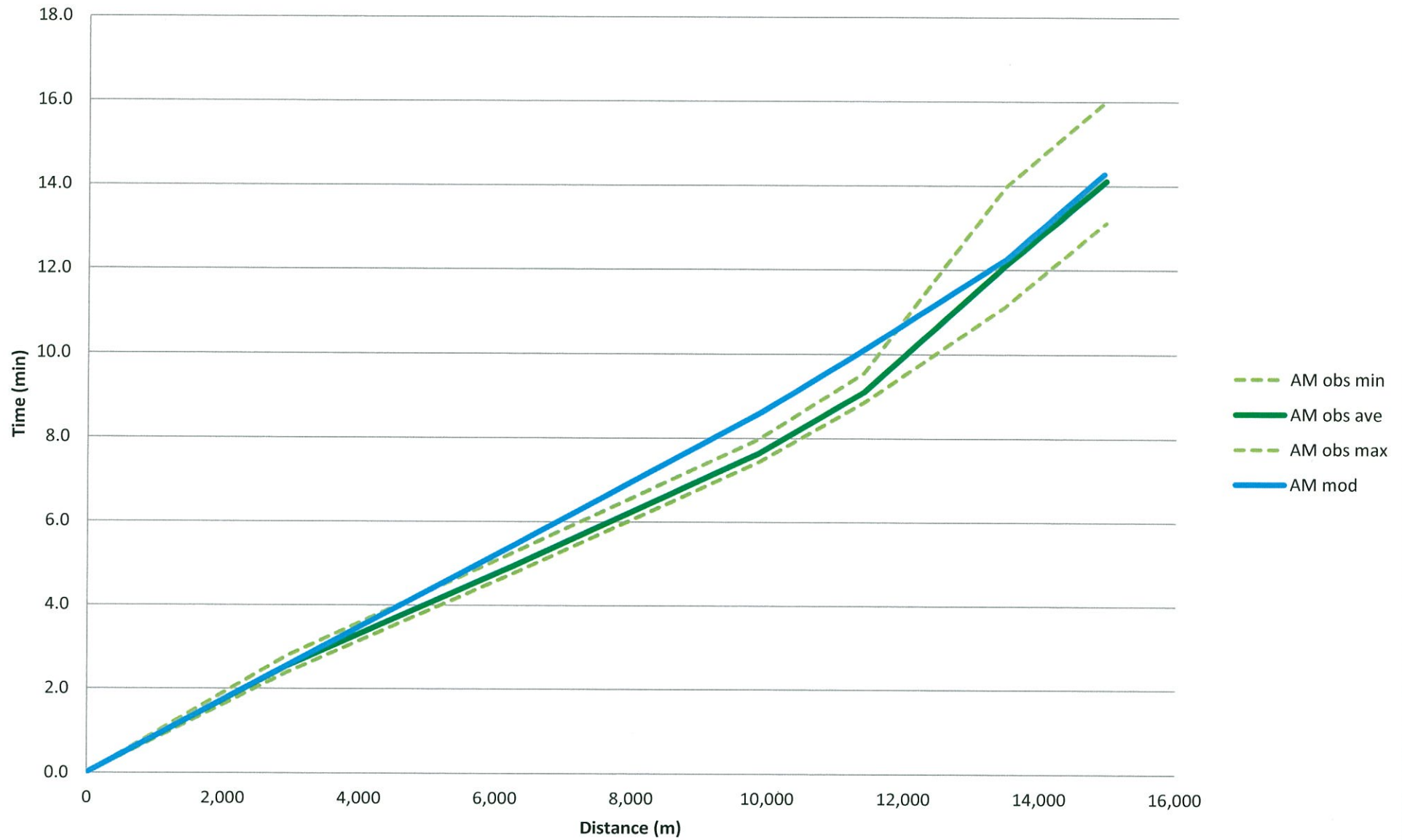
SH58 E - SH1 to SH2



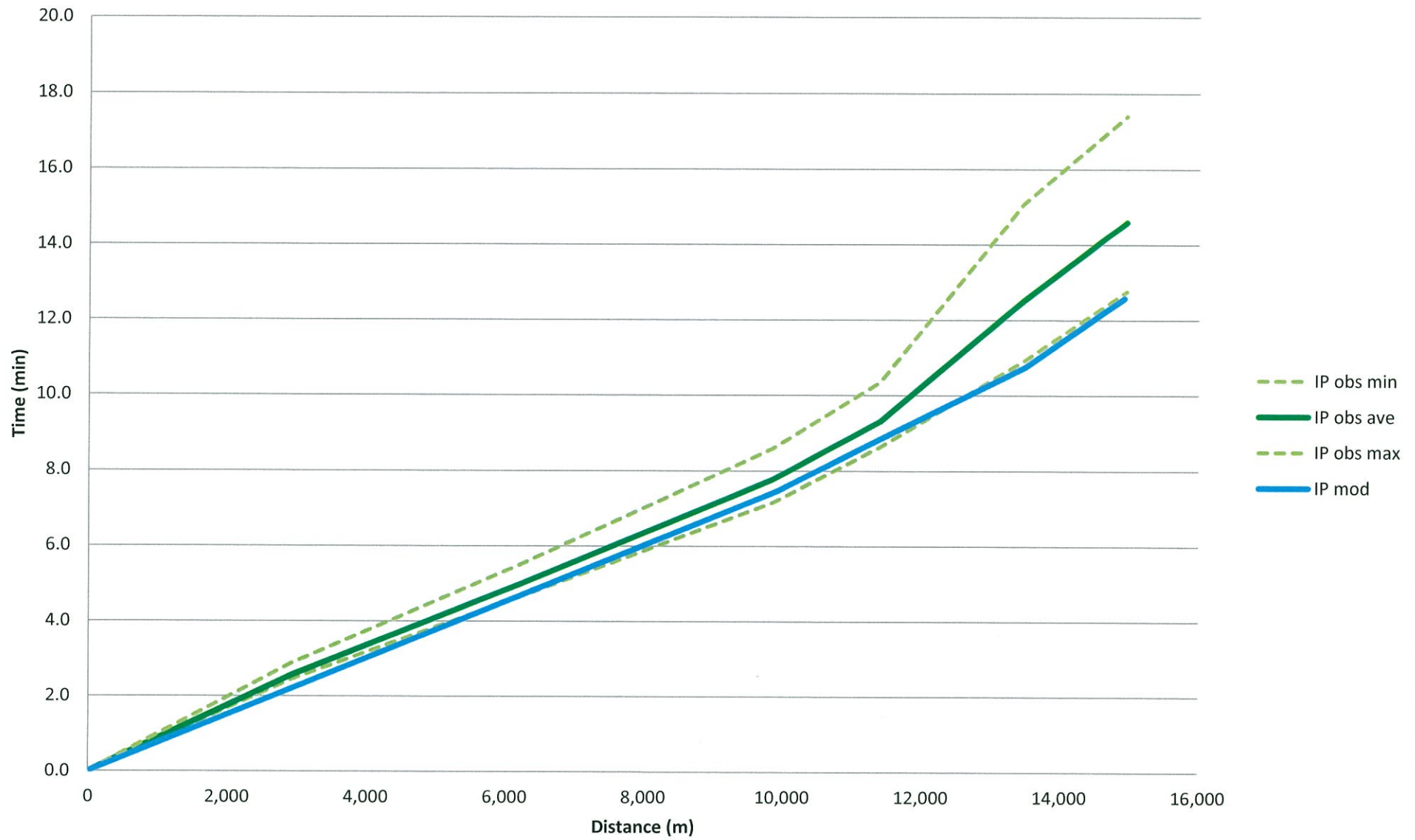
SH58 E - SH1 to SH2



SH58 W - SH2 to SH1



SH58 W - SH2 to SH1



SH58 W - SH2 to SH1

