

Table 1: Hoddle Street Interchange South of Level of Service Results – 2013 AM Peak Base Model

	Movement	0700-0800					0800-0900				
		# Veh	Ave Delay (s)	LOS	Avg Queue (m)	95th Percentile Queue (m)	# Veh	Ave Delay (s)	LOS	Avg Queue (m)	95th Percentile Queue (m)
Eastern Freeway Off Ramp	RT to Hoddle Street North	85	286	F	490	2,208	92	425	F	2,752	2,994
	LT to Hoddle Street South	2,283	182	F	1,008	2,338	2,101	343	F	2,747	2,989
	Leg Total	2,368	186	F			2,194	346	F		
Hoddle Street North	Through to Hoddle Street South	1,093	3	A	7	30	1,111	5	A	7	32
	Leg Total	1,093	3	A			1,111	5	A		
Hoddle Street South	LT movement to Alexandra Pde Westbound	0	0	A	0	0	0	0	A	0	0
	LT movement to Eastern Freeway eastbound	774	81	F	169	652	843	87	F	234	729
	Through movement to Hoddle Street North	790	84	F	167	648	805	90	F	231	725
	Leg Total	1,564	83	F			1,648	88	F		
Overall	Interchange Total	5,025	114	F			4,952	184	F		

Table 2: Hoddle Street Interchange North of Level of Service Results – 2013 AM Peak Base Model

	Movement	0700-0800					0800-0900				
		# Veh	Ave Delay (s)	LOS	Avg Queue (m)	95th Percentile Queue (m)	# Veh	Ave Delay (s)	LOS	Avg Queue (m)	95th Percentile Queue (m)
Hoddle Street South	Left turn to join Eastern Freeway eastbound	813	2	A	0	0	882	2	A	0	0
	Through movement to Hoddle Street North	796	0	A	0	0	809	0	A	0	0
	Leg Total	1,609	1	A			1,691	1	A		
Hoddle Street North	LT to Eastern Freeway	229	178	F	720	801	319	166	F	1,437	1,601
	Through to Hoddle Street South	1,093	190	F	720	801	1,107	171	F	1,437	1,601
	Leg Total	1,322	188	F			1,426	170	F		
Alexandra Parade Off Ramp	LT to Hoddle Street North	28	92	F	38	107	30	91	F	40	116
	RT to Hoddle Street South	35	98	F	38	107	36	104	F	40	116
	Leg Total	62	95	F			66	98	F		
Overall	Interchange Total	2,993	86	F			3,183	79	E		

Table 3: Hoddle Street Interchange South of Level of Service Results – 2013 PM Peak Base Model

	Movement	0700-0800					0800-0900				
		# Veh	Ave Delay (s)	LOS	Avg Queue (m)	95th Percentile Queue (m)	# Veh	Ave Delay (s)	LOS	Avg Queue (m)	95th Percentile Queue (m)
Eastern Freeway Off Ramp	RT to Hoddle Street North	349	75	E	50	117	408	74	E	59	139
	LT to Hoddle Street South	1,055	45	D	37	110	1,204	46	D	44	135
	Leg Total	1,404	53	D			1,612	53	D		
Hoddle Street North	Through to Hoddle Street South	1,042	1	A	3	18	1,051	0	A	3	16
	Leg Total	1,042	1	A			1,051	0	A		
Hoddle Street South	LT movement to Alexandra Pde Westbound	92	25	C	0	0	82	37	D	0	0
	LT movement to Eastern Freeway eastbound	2,511	37	D	99	325	2,537	51	D	507	1,204
	Through movement to Hoddle Street North	1,725	22	C	90	326	1,613	25	C	493	1,200
	Leg Total	4,328	31	C			4,233	41	D		
Overall	Interchange Total	6,774	31	C			6,895	38	D		

Table 4: Hoddle Street Interchange North of Level of Service Results – 2013 PM Peak Base Model

	Movement	0700-0800					0800-0900				
		# Veh	Ave Delay (s)	LOS	Avg Queue (m)	95th Percentile Queue (m)	# Veh	Ave Delay (s)	LOS	Avg Queue (m)	95th Percentile Queue (m)
Hoddle Street South	Left turn to join Eastern Freeway eastbound	2,587	3	A	0	0	2,616	3	A	0	0
	Through movement to Hoddle Street North	1,747	1	A	8	50	1,629	1	A	10	62
	Leg Total	4,334	2	A			4,244	3	A		
Hoddle Street North	LT to Eastern Freeway	563	23	C	29	115	619	29	C	72	280
	Through to Hoddle Street South	1,041	29	C	29	115	1,052	36	D	72	280
	Leg Total	1,604	27	C			1,671	33	C		
Alexandra Parade Off Ramp	LT to Hoddle Street North	31	60	E	10	34	27	57	E	9	30
	RT to Hoddle Street South	6	73	E	10	34	5	48	D	9	30
	Leg Total	37	62	E			32	56	E		
Overall	Interchange Total	5,975	9	A			5,948	12	B		

Table 5: Hoddle Street Interchange South of Level of Service Results – 2031 AM Peak with East West Link Model

	Movement	0700-0800					0800-0900				
		# Veh	Ave Delay (s)	LOS	Avg Queue (m)	95th Percentile Queue (m)	# Veh	Ave Delay (s)	LOS	Avg Queue (m)	95th Percentile Queue (m)
Eastern Freeway Off Ramp	RT to Hoddle Street North	93	164	F	6	26	85	238	F	6	24
	LT to Hoddle Street South	1,701	247	F	299	764	1,677	357	F	369	889
	Leg Total	1,794	242	F			1,762	351	F		
Hoddle Street North	Through to Hoddle Street South	1,534	1	A	7	27	1,291	1	A	6	23
	RT to EWL tunnel	137	20	C	5	22	109	20	C	3	20
	Leg Total	1,671	3	A			1,400	3	A		
Hoddle Street South	LT movement to Eastern Freeway	195	23	C	3	24	182	23	C	3	19
	Through movement to Hoddle Street North	794	48	D	23	77	742	51	D	21	79
	Leg Total	989	43	D			924	45	D		
Overall	Interchange Total	4,454	108	F			4,086	163	F		

Table 6: Hoddle Street Interchange North of Level of Service Results – 2031 AM Peak with East West Link Model

		0700-0800					0800-0900				
		# Veh	Ave Delay (s)	LOS	Avg Queue (m)	95th Percentile Queue (m)	# Veh	Ave Delay (s)	LOS	Avg Queue (m)	95th Percentile Queue (m)
Hoddle Street South	Through movement to Hoddle Street North	788	8	A	3	24	751	8	A	3	19
	Leg Total	788	8	A			751	8	A		
Hoddle Street North	LT to Eastern Freeway	151	45	D	162	375	162	10	A	55	178
	Through to Hoddle Street South	1,673	95	F	162	375	1,406	58	E	55	178
	Leg Total	1,824	91	F			1,568	53	D		
EWL Off Ramp	LT to Hoddle Street North	124	52	D	47	110	118	43	D	36	87
	RT to Hoddle Street South	844	48	D	47	110	721	42	D	36	87
	Leg Total	968	49	D			839	42	D		
Alexandra Parade Off Ramp	LT to Hoddle Street North	10	30	C	0	0	9	25	C	0	0
	RT to Hoddle Street South	48	37	D	20	67	47	42	D	21	64
	Leg Total	58	36	D			56	39	D		
Overall	Interchange Total	3,638	61	E			3,214	39	D		

Table 7: Hoddle Street Interchange South of Level of Service Results – 2031 PM Peak with East West Link Model

		1600-1700					1700-1800				
		# Veh	Ave Delay (s)	LOS	Avg Queue (m)	95th Percentile Queue (m)	# Veh	Ave Delay (s)	LOS	Avg Queue (m)	95th Percentile Queue (m)
Eastern Freeway Off Ramp	RT to Hoddle Street North	114	34	C	6	19	136	30	C	6	22
	LT to Hoddle Street South	525	37	D	16	43	626	39	D	20	46
	Leg Total	639	37	D			762	38	D		
Hoddle Street North	Through to Hoddle Street South	1,397	3	A	2	11	1,437	3	A	3	11
	RT to EWL tunnel	177	30	C	11	67	189	34	C	16	63
	Leg Total	1,574	6	A			1,626	7	A		
Hoddle Street South	LT movement to Eastern Freeway	496	17	B	6	36	528	19	B	8	40
	Through movement to Hoddle Street North	1,347	34	C	26	96	1,413	38	D	33	130
	Leg Total	1,843	29	C			1,941	33	C		
Overall	Interchange Total	4,056	21	C			4,329	24	C		

Table 8: Hoddle Street Interchange North of Level of Service Results – 2031 PM Peak with East West Link Model

		1600-1700					1700-1800				
		# Veh	Ave Delay (s)	LOS	Avg Queue (m)	95th Percentile Queue (m)	# Veh	Ave Delay (s)	LOS	Avg Queue (m)	95th Percentile Queue (m)
Hoddle Street South	Through movement to Hoddle Street North	1,355	4	A	6	36	1,432	5	A	8	40
	Leg Total	1,355	4	A			1,432	5	A		
Hoddle Street North	LT to Eastern Freeway	120	1	A	12	37	131	1	A	15	41
	Through to Hoddle Street South	1,122	24	C	12	37	1,175	27	C	15	41
	Leg Total	1,242	21	C			1,306	24	C		
EWL Off Ramp	LT to Hoddle Street North	163	43	D	0	0	153	51	D	0	0
	RT to Hoddle Street South	310	35	C	19	51	310	41	D	23	56
	Leg Total	473	37	D			463	45	D		
Alexandra Parade Off Ramp	LT to Hoddle Street North	1	9	A	0	0	1	20	B	0	0
	RT to Hoddle Street South	10	42	D	6	26	10	55	D	8	26
	Leg Total	11	39	D			11	52	D		
Overall	Interchange Total	3,081	16	B			3,212	19	B		