

Appendix C. AIMSUN Modelling Results

Existing Frday PM peak

NodeTurn	Count	Delay	Queue Mean	Queue Max	Stops	Speed	LOS Signal
Darling / Murray							
East							
Left	113	1.3	0.0	2.0	0.1	30.1	LOS A
Right	104	50.6	0.8	2.0	1.1	15.9	LOS D
Through	138	20.5	0.5	2.0	0.7	21.0	LOS C
North							
Left	138	39.0	1.1	2.0	1.1	12.8	LOS D
Right	72	50.5	0.7	2.0	1.0	8.6	LOS D
Through	79	45.9	0.6	2.0	1.0	9.4	LOS D
South							
Left	63	47.6	0.8	4.0	1.6	7.9	LOS D
Right	80	48.8	1.0	4.7	1.6	9.3	LOS D
Through	72	52.2	0.5	4.7	1.8	9.3	LOS D
West							
Left	90	38.1	0.9	5.7	1.2	16.6	LOS D
Right	137	110.4	7.2	17.0	1.7	4.9	LOS F
Through	356	34.7	1.4	10.7	0.9	19.9	LOS C
Totals:	1443	43.3 (Weighted)			Intersection LOS:		LOS D

Darling / Pier							
East							
Entrance	232	3.4	0.2	3.0	0.4	23.6	LOS A
Exit	461	5.2	0.5	4.3	0.1	31.6	LOS A
Left	58	2.8	0.0	2.0	0.3	29.5	LOS A
North							
Entrance	572	23.8	1.8	20.7	0.5	40.2	LOS C
Exit	358	1.0	0.0	2.0	0.0	42.0	LOS A
South							
Entrance	321	2.3	0.1	5.0	0.2	40.1	LOS A
Exit	305	0.3	0.0	2.3	0.0	45.9	LOS A
Totals:	2307	7.9 (Weighted)			Intersection LOS:		LOS A

Darling / Quay							
East							
Left	68	46.1	0.8	3.3	1.2	9.0	LOS D
Right	34	48.2	0.4	2.7	1.3	8.6	LOS D
North							
Left	35	2.2	0.0	0.7	0.0	39.1	LOS A
Through	326	19.0	0.8	12.0	0.5	29.7	LOS B
South							
Right	24	50.4	0.3	2.7	1.0	8.3	LOS D
Through	288	10.5	0.4	5.0	0.5	33.9	LOS B
Totals:	775	19.7 (Weighted)			Intersection LOS:		LOS B

Harbour / Pier							
West							

Harbour / Pier

West							
From Darling	458	132.7	14.4	36.7	2.3	10.3	LOS F
Right	472	22.2	0.9	4.3	0.7	16.7	LOS C
East							
Right	331	75.8	2.4	8.3	0.8	16.3	LOS E
Through	416	22.9	1.2	7.7	0.3	32.7	LOS C
North							
Left	523	1.2	0.1	4.0	0.1	39.8	LOS A
Right	787	12.7	1.2	4.0	0.2	34.0	LOS B
South							
Left	60	95.5	1.4	7.3	1.0	16.0	LOS F
Right	50	55.3	0.7	5.7	0.9	21.7	LOS E
Through	135	106.2	1.0	15.0	1.1	16.1	LOS F
West							
Through	262	48.0	1.6	6.7	0.7	19.3	LOS D
Totals:	3494	43.5 (Weighted)			Intersection LOS:		LOS D

Harbour / Liverpool

Carpark							
Left	134	57.6	0.8	4.0	1.2	5.1	LOS E
Right	62	61.4	0.8	2.3	1.1	9.2	LOS E
East							
Left	354	60.1	5.5	11.0	1.1	11.5	LOS E
Right	362	28.6	1.2	14.3	1.4	18.5	LOS C
South							
Through	1182	55.2	7.8	35.0	0.9	14.3	LOS E
Tunnel	211	42.1	2.2	13.3	0.9	17.8	LOS D
Totals:	2306	50.9 (Weighted)			Intersection LOS:		LOS D

Friday PM peak with Trip Generation

NodeTurn	Count	Delay	Queue Mean	Queue Max	Stops	Speed	LOS Signal
Darling / Murray							
East							
Left	122	1.4	0.0	2.3	0.1	29.9	LOS A
Right	107	61.3	0.8	2.0	1.2	15.9	LOS E
Through	177	18.8	0.5	2.7	0.8	22.7	LOS B
North							
Left	146	51.6	1.4	5.3	1.2	11.3	LOS D
Right	70	64.6	0.8	3.3	1.2	7.4	LOS E
Through	70	63.4	0.8	3.7	1.2	8.0	LOS E
South							
Left	83	62.1	1.3	5.7	1.7	6.0	LOS E
Right	77	66.5	1.3	5.7	1.9	7.7	LOS E
Through	66	69.7	0.6	6.0	1.8	9.8	LOS E
West							
Left	77	79.0	1.2	5.0	1.7	11.8	LOS E
Right	117	184.1	7.6	15.3	2.6	3.1	LOS F
Through	619	108.7	5.3	30.0	1.9	12.1	LOS F
Totals:	1731	78.8 (Weighted)			Intersection LOS:		LOS E

Darling / Pier							
East							
Entrance	253	7.9	0.4	4.0	0.4	21.3	LOS A
Exit	418	24.2	2.2	4.7	0.4	19.3	LOS C
Left	89	7.1	0.1	2.7	0.3	26.8	LOS A
North							
Entrance	705	275.0	17.1	76.7	4.5	6.7	LOS F
Exit	427	6.3	0.6	6.3	0.2	34.6	LOS A
South							
Entrance	534	6.1	0.7	9.0	0.4	34.8	LOS A
Exit	638	0.4	0.0	4.3	0.0	45.5	LOS A
Totals:	3065	69.4 (Weighted)			Intersection LOS:		LOS E

Darling / Quay							
East							
Left	133	2511.3	6.5	7.7	3.0	0.1	LOS F
Right	134	2393.4	6.7	8.0	2.9	0.2	LOS F
North							
Left	344	7.9	0.5	12.0	0.2	33.0	LOS A
Through	386	25.9	1.3	19.0	0.7	24.6	LOS C
South							
Right	133	181.2	5.7	8.3	2.5	1.5	LOS F
Through	402	13.9	0.6	9.0	0.9	28.8	LOS B
Totals:	1533	454.9 (Weighted)			Intersection LOS:		LOS F

Harbour / Pier							
West							

Harbour / Pier

West							
From Darling	417	266.7	21.7	39.7	3.5	3.4	LOS F
Right	491	26.4	0.9	4.3	0.8	13.2	LOS C
East							
Right	333	75.4	2.5	9.0	0.8	17.6	LOS E
Through	419	23.4	1.2	7.7	0.3	33.1	LOS C
North							
Left	529	1.2	0.1	4.0	0.1	39.6	LOS A
Right	807	12.9	1.3	4.0	0.2	34.0	LOS B
South							
Left	47	95.6	1.1	6.3	1.0	16.6	LOS F
Right	49	48.1	0.6	4.0	0.8	24.4	LOS D
Through	142	100.5	1.1	14.0	1.1	16.6	LOS F
West							
Through	247	48.8	1.6	6.3	0.7	19.0	LOS D
Totals:	3480	58.4 (Weighted)			Intersection LOS:		LOS E

Harbour / Liverpool

Carpark							
Left	131	62.0	0.8	4.7	1.3	4.9	LOS E
Right	66	64.2	0.9	2.3	1.0	9.5	LOS E
East							
Left	360	59.6	5.6	11.0	1.1	12.2	LOS E
Right	394	31.2	1.4	14.0	1.4	16.2	LOS C
South							
Through	1163	59.8	8.1	34.7	1.0	13.2	LOS E
Tunnel	229	42.3	2.4	12.3	0.9	18.5	LOS D
Totals:	2343	53.5 (Weighted)			Intersection LOS:		LOS D