

MOVEMENT SUMMARY

Site: AM peak existing 7.30 am to 8.30 am

Pacific Hwy / Masonite Road roundabout
Existing AM peak (7.30 am to 8.30 am)
Roundabout

Movement Performance - Vehicles											
Mov ID	Turn	Demand Flow veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Queue Distance m	Prop. Queued	Effective Stop Rate per veh	Average Speed km/h
South: Masonite Road											
1	L	94	7.5	0.151	9.6	LOS A	1.1	8.3	0.83	0.75	39.6
2	T	94	7.5	0.151	10.9	LOS A	1.1	8.3	0.82	0.84	40.3
3	R	7	7.5	0.152	20.3	LOS B	0.9	7.0	0.81	1.00	36.2
Approach		195	7.5	0.151	10.6	LOS B	1.1	8.3	0.82	0.80	39.8
East: Pacific Highway NE											
4	L	73	7.5	0.562	8.9	LOS A	5.1	38.1	0.77	0.75	53.6
5	T	999	7.5	0.561	9.4	LOS A	5.1	38.1	0.78	0.78	53.2
6	R	12	7.5	0.571	19.0	LOS B	4.7	35.3	0.79	1.07	48.9
Approach		1084	7.5	0.561	9.4	LOS B	5.1	38.1	0.78	0.79	53.2
North: Adelaide Street											
7	L	12	7.5	0.324	6.6	LOS A	2.3	17.2	0.48	0.51	42.4
8	T	93	7.5	0.324	6.3	LOS A	2.3	17.2	0.48	0.47	42.9
9	R	708	7.5	0.324	15.3	LOS B	2.3	17.2	0.50	0.74	38.1
Approach		813	7.5	0.324	14.2	LOS B	2.3	17.2	0.50	0.71	38.6
West: Pacific Highway SW											
10	L	170	7.5	0.175	5.8	LOS A	1.3	10.0	0.30	0.44	57.5
11	T	297	7.5	0.175	5.6	LOS A	1.3	10.0	0.31	0.41	57.5
12	R	38	7.5	0.175	14.4	LOS A	1.3	9.6	0.31	0.82	51.6
Approach		505	7.5	0.175	6.3	LOS A	1.3	10.0	0.30	0.45	56.9
All Vehicles		2597	7.5	0.571	10.4	LOS A	5.1	38.1	0.60	0.70	49.4

Level of Service (Aver. Int. Delay): LOS A. Based on average delay for all vehicle movements. LOS Method: Delay (RTA NSW).

Level of Service (Worst Movement): LOS B. LOS Method for individual vehicle movements: Delay (RTA NSW).

Approach LOS values are based on the worst delay for any vehicle movement.

Roundabout Capacity Model: SIDRA Standard.

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SIDRA INTERSECTION 4.0.18.1102

Project: C:\Work Docs\Sandvik Heatherbrae\Sandvik 120510\Pacific Hwy.SIP

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