

MOVEMENT SUMMARY

Site: PM peak 3.15 pm to 4.15 pm
with development

Pacific Hwy / Masonite Road roundabout
PM peak (3.15 pm to 4.15 pm) with development
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	325	7.5	0.496	9.2	LOS A	4.2	31.0	0.79	0.77	40.1
2	T	339	7.5	0.496	10.0	LOS A	4.2	31.0	0.80	0.81	39.9
3	R	181	7.5	0.496	19.7	LOS B	3.8	28.1	0.80	1.02	35.8
Approach		845	7.5	0.496	11.8	LOS B	4.2	31.0	0.80	0.84	38.8
East: Pacific Highway NE											
4	L	80	7.5	0.332	7.1	LOS A	2.5	19.0	0.67	0.55	54.3
5	T	527	7.5	0.331	7.1	LOS A	2.5	19.0	0.68	0.55	53.8
6	R	58	7.5	0.331	16.3	LOS B	2.3	17.4	0.69	0.93	50.8
Approach		665	7.5	0.331	7.9	LOS B	2.5	19.0	0.68	0.59	53.6
North: Adelaide Street											
7	L	73	7.5	0.533	13.0	LOS A	6.0	44.8	1.00	1.05	35.7
8	T	74	7.5	0.536	12.7	LOS A	6.0	44.8	1.00	1.03	36.1
9	R	501	7.5	0.534	22.9	LOS B	6.0	44.8	0.97	1.06	32.6
Approach		648	7.5	0.534	20.6	LOS B	6.0	44.8	0.98	1.05	33.2
West: Pacific Highway SW											
10	L	898	7.5	0.884	14.6	LOS B	17.4	129.8	0.98	1.16	49.1
11	T	919	7.5	0.884	16.9	LOS B	17.4	129.8	1.00	1.25	47.1
12	R	33	7.5	0.892	26.1	LOS B	16.4	122.5	1.00	1.27	43.7
Approach		1850	7.5	0.884	15.9	LOS B	17.4	129.8	0.99	1.21	47.9
All Vehicles		4008	7.5	0.892	14.5	LOS A	17.4	129.8	0.90	1.00	45.5

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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