

MOVEMENT SUMMARY

Site: PM peak existing 3.15 pm to 4.15 pm

Pacific Hwy / Masonite Road roundabout
Existing PM peak (3.15 pm to 4.15 pm)
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	131	7.5	0.316	8.1	LOS A	2.2	16.3	0.73	0.64	41.1
2	T	276	7.5	0.315	8.3	LOS A	2.2	16.3	0.73	0.64	41.0
3	R	133	7.5	0.316	18.0	LOS B	2.0	14.7	0.74	0.95	37.3
Approach		540	7.5	0.316	10.7	LOS B	2.2	16.3	0.74	0.72	39.8
East: Pacific Highway NE											
4	L	79	7.5	0.328	7.1	LOS A	2.5	18.6	0.67	0.55	54.4
5	T	527	7.5	0.328	7.1	LOS A	2.5	18.6	0.67	0.55	53.9
6	R	58	7.5	0.328	16.3	LOS B	2.3	17.2	0.68	0.93	50.8
Approach		664	7.5	0.328	7.9	LOS B	2.5	18.6	0.67	0.58	53.6
North: Adelaide Street											
7	L	73	7.5	0.497	11.7	LOS A	5.3	39.2	0.96	0.98	36.6
8	T	74	7.5	0.497	11.4	LOS A	5.3	39.2	0.96	0.92	36.6
9	R	501	7.5	0.495	21.4	LOS B	5.3	39.2	0.94	1.03	33.8
Approach		648	7.5	0.495	19.2	LOS B	5.3	39.2	0.95	1.01	34.3
West: Pacific Highway SW											
10	L	898	7.5	0.812	10.6	LOS A	12.7	94.4	0.88	0.94	52.1
11	T	919	7.5	0.812	12.0	LOS A	12.7	94.4	0.91	1.02	51.8
12	R	29	7.5	0.806	21.0	LOS B	12.3	91.7	0.92	1.09	47.4
Approach		1846	7.5	0.812	11.4	LOS B	12.7	94.4	0.89	0.98	51.9
All Vehicles		3698	7.5	0.812	12.1	LOS A	12.7	94.4	0.84	0.87	48.2

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.