



Traffic



TaylorThomsonWhitting

Brookvale Oval

Pittwater Road, Brookvale

Traffic Study

for Warringah Council

03 February 2016

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Taylor Thomson Whitting (NSW) Pty Ltd Consulting Engineers ACN 113 578 377
48 Chandos Street St Leonards NSW 2065 PO Box 738 Crows Nest 1585
T 61 2 9439 7288 F 61 2 9439 3146 ttwsyd@ttw.com.au www.ttw.com.au

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Prepared by:
**TAYLOR THOMSON WHITTING
(NSW) PTY LTD**



Alex Karki
Senior Traffic Engineer

Authorised by:
**TAYLOR THOMSON WHITTING
(NSW) PTY LTD**



PAUL YANNOULATOS
Technical Director

1. INTRODUCTION AND BACKGROUND

Warringah Council has commissioned Taylor Thomson Whitting (TTW) to update a previous report from June 2007 related to the parking situation in and around Brookvale Oval both on a normal day and during a football match. The previous report involved a travel and parking survey conducted in 2007 on Monday the 21st of May and Friday the 11th of May. The survey on Friday coincided with a National Rugby League match between the Manly Sea Eagles and Parramatta Eels. This match drew a crowd of 19,944 which is roughly 3,000 less people than the capacity of the Oval (23,000). Average attendance numbers sourced from the NRL website indicated that on average an NRL game attracted 12,622 and 10,955 attendees in 2014 and 2015 respectively.

Key points raised from the previous report include:

- Most on street parking occurred within the industrial area of East Brookvale, south of Pittwater Road.
- Parking areas along the oval were full.
- Of the 180 surveyed, roughly 60% used on street parking.
- There were insufficient queuing areas for pedestrians outside gates 1 and 2 of the Oval.
- The peak in on street parking demand occurred between 6:30-7:30pm, reaching roughly 90% capacity.
- In the hour of peak demand the match generated roughly 300 extra vehicles using on street parking spaces.

Tables summarising the results of the on street parking survey are found in Appendix A.

Currently Brookvale Oval is used for 10 NRL games a year on Friday nights, Saturday afternoons/nights, Sunday afternoons and Monday nights. It is proposed that three NRL matches during the year will be held on a Thursday night.

Brookvale Oval is within five minutes' walk from Warringah Mall which contains a multistorey car park. Should this have capacity it may provide additional parking provision.

2. WARRINGAH COUNCIL DEVELOPMENT CONTROL PLAN REQUIREMENTS

Warringah Council's Development Control Plan (DCP) stipulates that off street parking requirements need to be supplied taking into account the:

- Hours of operation of the development
- Availability of alternative car parking
- Availability of public transport

Rates for an entertainment facility should be made from comparisons to developments for a similar purpose or from the Roads and Maritime Service's (RMS) Guide to Traffic Generating Developments where relevant.

Recreational and tourist facilities	
Use	Requirement
Bowling alley	3 spaces per alley.
Bowling green	30 spaces for the first green and 15 spaces per additional green.
Entertainment facility	Comparisons must be drawn with developments for a similar purpose.
Gymnasium	4.5 spaces per 100 m ² GFA.
Marina	<p>If a survey of similar existing developments has not been undertaken, the following figures may serve as a general guide:</p> <ul style="list-style-type: none"> · 0.6 spaces per wet berth · 0.2 spaces per dry storage berth · 0.2 spaces per swing mooring · 0.5 spaces per marina employee <p>If a survey of similar existing developments has been undertaken, regard must be had to the survey.</p>
Squash court	3 spaces per court.
Tennis court	3 spaces per court.

Table 1: Warringah DCP Parking Requirements

3. ROADS AND MARITIME SERVICES REQUIREMENTS

The RMS Guide to Traffic Generating Developments does not specify parking space requirements for an entertainment facility or sporting ground.

Accordingly, the assessment of parking demand is based upon the previous parking study.

4. CONCLUSIONS

Most issues raised by the previous report by TTW were in relation to pedestrian movements and illegal parking; it is anticipated these issues remain the same as a result of changing the match day to a Thursday.

In the parking demand survey conducted in 2007, it was found that on street parking demand increased by up to 300 private vehicles from the hours of 3:00pm to 7:00pm. Most of this increase in demand was met by on street parking in East Brookvale. This is an industrial area which is able to account for on street parking concurrently with the NRL games.

Brookvale Oval is located roughly five minutes' walk away from Warringah Mall, a major shopping centre that is well connected by public transport and contains a multi storey car park with three free hours of complimentary parking. Should there be capacity and if there is greater demand for on street parking than supply, it is likely that attendees will utilise this car parking option.

The previous report conducted by TTW found that on street parking provided for the demand generated by a popular NRL match on a Friday evening. Taking into account that the proposed matches would be conducted on a Thursday evening, it is anticipated that traffic and parking conditions would be comparable. Given the average attendance numbers for 2015 are roughly 9,000 less than when the parking survey was conducted, it is likely the parking conditions would be sufficient. Hence, the additional three Thursday matches in a year would not have any insignificant impact.

APPENDIX A: 2007 PARKING SURVEY RESULTS

Table A1: Parking Supply Demand (Monday 21 May)

Time	3:00 - 4:00	4:00 - 5:00	5:00 - 6:00	6:00 - 7:00	Capacity
Pine Ave	1	1	3	5	102
Federal Pde South	9	9	15	25	29
Regina Ave	11	10	12	13	19
Shackel Ave	10	12	12	15	37
Victor Rd	40	46	60	67	67
Federal Pde East	14	18	14	12	13
Carter Rd	65	63	35	42	77
West St	32	31	29	34	41
Winbourne Rd	74	76	72	81	100
Mitchell Rd	10	8	10	11	12
Gulliver St	36	42	47	47	51
Elizabeth Pl	2	2	4	4	19
Consul Rd South	39	17	28	42	50
St Johns Cl	5	5	8	15	15
The Kilns	0	0	0	2	31
Consul Rd North	16	18	18	32	69
Federal Pde West	41	27	40	50	50
Connaught St	6	6	7	9	41
Alfred Rd North	5	7	8	19	30
De Chair Rd	6	7	6	13	44
Pine Pl	0	0	1	1	6
Pine Ave North	1	1	2	5	19
Northcliffe Ave.	2	2	2	2	19
Federal Pde North	30	31	32	39	42
Binba Pl	11	11	10	14	16
Alfred Rd	39	56	65	75	92
TOTAL	505	506	540	674	1091

Table A2: Parking Supply Demand (Friday 11 May)

Time	3:30 - 4:30	4:30 - 5:30	5:30 - 6:30	6:30 - 7:30	Capacity
Pine Ave	82	88	100	101	102
Federal Pde South	18	26	25	25	29
Regina Ave	14	18	18	18	19
Shackel Ave	6	8	14	18	37
Victor Rd	42	43	60	64	67
Federal Pde East	13	13	12	13	13
Carter Rd	70	63	52	76	77
West St	34	24	19	46	41
Winbourne Rd	71	73	50	104	100
Mitchell Rd	10	11	12	12	12
Gulliver St	44	44	48	53	51
Elizabeth Pl	8	6	10	10	19
Consul Rd South	26	35	40	50	50
St Johns Cl	6	8	12	13	15
The Kilns	0	0	0	0	31
Consul Rd North	23	23	25	30	69
Federal Pde West	42	48	50	59	50
Connaught St	4	4	9	23	41
Alfred Rd North	7	13	15	33	30
De Chair Rd	7	6	11	44	44
Pine Pl	3	4	5	14	6
Pine Ave North	1	0	0	10	19
Northcliffe Ave.	0	1	1	1	19
Federal Pde North	37	42	42	42	42
Binba Pl	13	13	11	14	16
Alfred Rd	84	93	95	103	92
TOTAL	665	707	736	976	1091