

Subject Sandstone Buildings - drop-off and pick-up activity

Date 18 September 2019

Job No/Ref 248547

No commentary on the cumulative impact of pick up/drop off

The Traffic Report prepared to support the modification application states that the ballroom, previously located in the Education Building, is now located in the Lands Building and will increase in size from 210 seats to 350 seats.

Recommendation

It is requested that the applicant provides the following information in relation to the passenger pick up and drop off arrangements for the modified development:

- Details of pick up and drop off locations noting that the streets adjacent to the Lands Building accommodate bus stops and bus zones; and
- Details of the cumulative impact of pick up and drop off arrangements with the hotel component of the development, which is to be located within the Education Building.

Arup response:

Event arrival surveys have been conducted at two hotels in the northern part of the Sydney CBD to provide information on car/ taxi/ point to point transport mode. A large Property Council breakfast and a medium sized CEDA lunch were chosen to indicate the difference in mode choice at different times of the day.

The results for each survey are shown in Attachment 1. The Westin Hotel function occurred on a fine day whilst the Shangri-la Hotel function occurred on a rainy day, which might have increased the mode share by vehicle.

Survey summary of activity:

Westin Hotel - 1 Martin Pl, Sydney NSW 2000

Property Council Breakfast Wednesday 28 February 2018 - 7.30am-9.00am

800 sit-down breakfast function

For the 800 attendees, 27 arrived in 26 taxis, 56 arrived in 5 private vehicles/Uber, 2 valet parked and 7 were dropped on-street. This is a total of 41 people (5%) arriving by vehicle in Pitt Street with 33 vehicles using the porte-cochere. The remainder of attendees were observed walking in from alternative methods of arrival. Given that George Street is closed to traffic, Pitt Street is the only vehicle access route. Given that this is an early morning event, the majority of people would use their usual work mode of travel into the CBD.

For departure, only 7 people were observed to use a vehicle to depart the site. The remainder walked away from the site.

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Shangri-la Hotel - 176 Cumberland St, Sydney NSW 2000

CEDA Lunch Tuesday 13 March 2018 - 12.00am-2.00pm

200 sit-down lunch function

For the 200 attendees, 79 were observed to arrive in 52 vehicles using the Cumberland Street porte-cochere. This comprised 49 taxis and 3 private/Uber vehicles. This represents a 40% mode share to vehicles using the porte-cochere with a 1.5 vehicle occupancy. The remainder of attendees were observed to walk in.

For departure, less people were observed using vehicles however the departure was more dispersed and some people were likely to hail taxis on surrounding roads. Data was not collected for the departure period.

The event surveys undertaken indicate the variability in mode share depending on the time of day, weather and type of function with vehicle mode varying between 5% and 40%. The 200 person sit down lunch on a rainy day in a location not directly accessible by foot to the centre of the CBD, provides a good indication of a high mode to vehicle use. The 800 person breakfast function was less vehicle based given the central CBD location not dissimilar to the Sandstone Buildings.

Potential ballroom activity at Sandstone Buildings:

For a 350 person sit down function at the proposed Sandstone Buildings, adopting a 20% car mode with 1.5 vehicle occupancy would result in a vehicle arrival of 93 vehicles over a 40 minute period with 12 arriving in the busiest 5 minutes. With each vehicle taking 1.5 minutes to drop-off, 4 vehicles could be dropping off on the kerb at one time. Drop-off will occur at the Farrer Place drop-off bay (3 vehicles) and on nearby streets depending on the approach direction of vehicles.

The times at which the Farrer place drop-off zone will be most utilised by hotel guests is 9am – 11am for departure after check-out and 2pm – 6pm for arrival for check-in. These times do not coincide with the function times which occur early in the morning, lunch, and evening.

The location of the Sandstone Buildings will encourage non-car mode for access. In addition to train and bus, the site is well placed to take advantage of ferries and the new light rail route which terminates at Circular Quay.

The drop-off zone on Bent Street adjacent to Farrer Place will be utilised for the whole precinct. On Bent Street between Gresham Street and Loftus Street there is a taxi queuing area. The original transport assessment proposed a two car bay drop-off zone here to service the Lands Building. Further discussion is required with City of Sydney to determine where taxi zones are being moved to and whether the Bent Street kerb use can be adjusted to suit the Lands Building operation and to supplement the Farrer Place drop-off zone. Pick-up will occur at the nearest taxi rank or in the Farrer place drop-off zone.

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Attachment 1 – Porte-cochere surveys

Property Council Breakfast Wednesday 28 February 2018 - 7.30am-9.00am
Westin Ballroom - 800 seat function

	Taxi/Hire Car Passengers			Private/Uber Passengers			Valet	On- street	Total
Arrival period	1	2	3	1	2	3			
6.30 - 6.45am	0	0	0	0	0	0	0	0	0
6.45 - 6.50am	0	0	0	1	0	0	0	0	1
6.50 - 6.55am	2	0	0	0	0	0	0	0	2
6.55 - 7.00am	4	1	0	0	0	0	0	0	6
7.00 - 7.05am	2	0	0	1	0	0	0	2	5
7.05 - 7.10am	2	0	0	1	0	0	1	1	5
7.10 - 7.15am	3	0	0	0	0	0	0	1	4
7.15 - 7.20am	4	0	0	0	0	0	1	0	5
7.20 - 7.25am	4	0	0	1	0	0	0	1	6
7.25 - 7.30am	3	0	0	1	0	0	0	2	6
7.30 - 7.35am	1	0	0	0	0	0	0	0	1
Total people	25	2	0	5	0	0	2	7	41
Total vehicles	25	1	0	5	0	0	2	7	40
Departure period									
8.45 - 8.50am	0	0	0	0	0	0	0	0	0
8.50 - 8.55am	0	0	0	0	0	0	0	0	0
8.55 - 9.00am	0	0	0	0	0	0	0	0	0
9.00 - 9.05am	0	0	0	0	0	0	0	0	0
9.05 - 9.10am	4	0	0	0	0	0	1	0	5
9.10 - 9.15am	1	0	0	0	0	0	0	1	2
9.15 - 9.20am	0	0	0	0	0	0	0	0	0
Total people	5	0	0	0	0	0	1	1	7
Total vehicles	5	0	0	0	0	0	1	1	7

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CEDA Lunch Tuesday 13 March 2018 - 12.00am-2.00pm
Shangri-La Ballroom - 200 seat function

	Taxi/Hire Car Passengers			Private/Uber Passengers			Valet	On- street	Total
Arrival period	1	2	3	1	2	3			
11.40 - 11.45am	6	0	0	0	0	0	0	0	6
11.45 - 11.50am	3	4	0	0	0	0	0	0	11
11.50 - 11.55am	2	4	1	0	0	0	0	0	13
11.55 - 12.00am	3	4	1	1	0	1	0	0	18
12.00 - 12.05pm	7	1	0	0	0	0	0	0	9
12.05 - 12.10pm	4	3	0	0	0	0	0	0	10
12.10 - 12.15pm	2	2	1	1	0	0	0	0	10
12.15 - 12.20pm	0	1	0	0	0	0	0	0	2
Total people	27	38	9	2	0	3	0	0	79
Total vehicles	27	19	3	2	0	1	0	0	52