

**ITEM 25. TRAFFIC TREATMENT – RAISED PEDESTRIAN CROSSING –
DANKS STREET WATERLOO**

TRIM RECORD NO: 2017/240574

RECOMMENDATION

It is recommended that the Committee endorse the following:

- (A) The installation of a raised pedestrian crossing in Danks Street, Waterloo just east of Crystal Street; and
- (B) The installation of a pedestrian crossing on the existing raised threshold in Danks Street, 50 metres west of Broome Street.

VOTING MEMBERS FOR THIS ITEM

<i>Voting Members</i>	<i>Support</i>	<i>Object</i>
City of Sydney		
Roads and Maritime Services		
NSW Police – Redfern LAC		
Representative for the Member for Heffron		

DECISION

BACKGROUND

The City has received requests from residents for the provision of a pedestrian crossing in Danks Street, Waterloo, between Crystal and Broome Streets.

COMMENTS

The residents of Waterloo have requested the City consider options to improve pedestrian safety and accessibility in Danks Street. The provision of raised pedestrian crossings in Danks Street would improve pedestrian safety, control vehicle speeds and enhance local amenity.

The residents identified an existing pedestrian desire line across Danks Street at the intersection of Crystal Street as it connects the various residential apartments with the local shopping strip. In February 2017, the City met with the Roads and Maritime Services (RMS) to discuss a proposal for a pedestrian crossing in Danks Street, just east of Crystal Street. The City and RMS agreed a pedestrian crossing was required at this intersection to improve pedestrian safety subject to obtaining pedestrian and traffic counts.

In addition, the City identified the need to consider installing a pedestrian crossing in Danks Street at the existing raised threshold, 50 metres west of Broome Street, which directly links pedestrian pathways on either side of the street. These pedestrian pathways provide access through the Precinct.

To meet the RMS warrants for a pedestrian crossing, the proposed location must record pedestrian and traffic flows of equal to or greater than, 30 pedestrians (P) and 500 vehicles (V) per hour for three one-hour periods in a day, and where $P \times V$ is also greater than or equal to 60,000.

Pedestrian and vehicle counts have been carried out in Danks Street at the intersection of Crystal Street as follows:-

Table 1 – Peak Pedestrian and Traffic Volumes at the intersection of Danks and Crystal Street

Time	Vehicles (V)	Pedestrians (P)	$P \times V (>60,000)$	Complies
7.45 – 8.45am	272	331	90,032	Yes
12.00 – 1.00pm	126	283	35,668	No
18.00 – 19.00pm	122	554	67,588	Yes

The $P \times V$ for the pedestrian and vehicle counts at the intersection of Danks and Crystal Streets met two of the three one-hour periods in a day. Given the high pedestrian numbers crossing this location, the City has received 'in-principle' support from RMS for the proposed pedestrian crossing at this location.

Pedestrian and vehicle counts were also carried out in Danks Street at the existing raised threshold, west of Broome Street. The pedestrian numbers were also very high, however the $P \times V$ for a marked pedestrian crossing at this location did not meet the RMS warrants. However, given that the existing raised threshold is located between two pedestrian pathways and therefore would be a natural pedestrian link, the RMS has supported the provision of a crossing at this location. The provision of this crossing would improve safety for pedestrians, eliminate the ambiguity of the raised threshold location and ensure it now complies with current RMS Technical Directions.

Footpath widenings exist on both sides of Danks Street at the two proposed crossing locations which provide clear visibility for both pedestrians and motorists and therefore no loss in kerb side parking will result from these proposals.

CONSULTATION

The City notified local residents and businesses in the area. There were 450 letters sent out with one response supporting the proposal and no responses opposing the proposal.

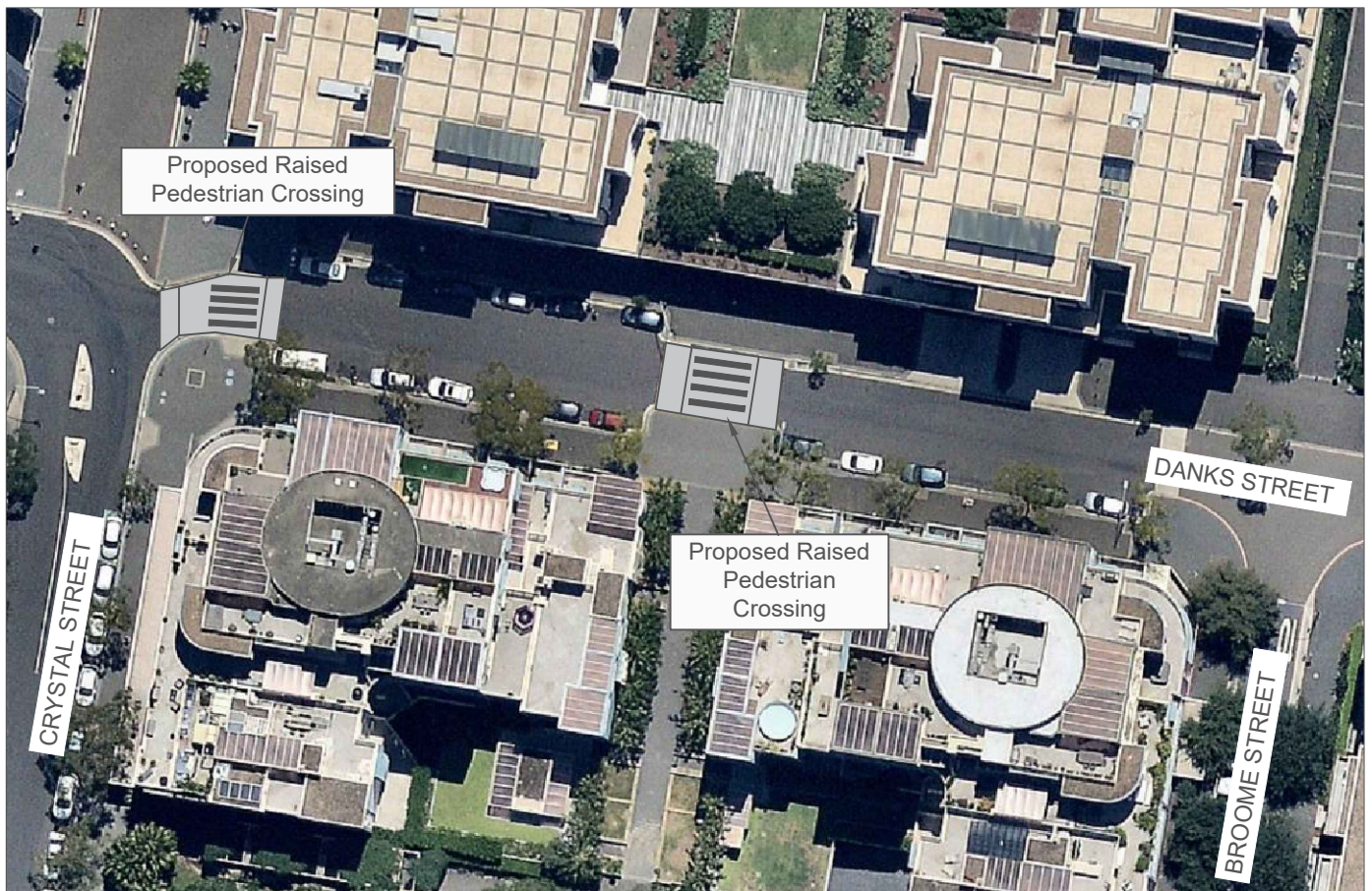
FINANCIAL

Appropriate funding for the proposal will be secured once greater certainty on the construction timeline is reached.

ATTACHMENTS

Traffic Treatment – Raised Pedestrian Crossing – Danks Street Waterloo

James Nguyen – Engineering Traffic Officer



TYPICAL RAISED PEDESTRIAN CROSSING

Source: Nearmap - Saturday 11 February 2017



PROPOSAL
RAISED PEDESTRIAN CROSSING
DANKS STREET WATERLOO

